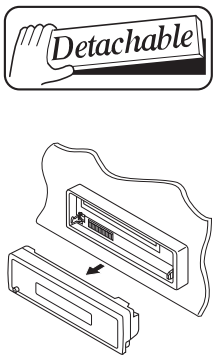
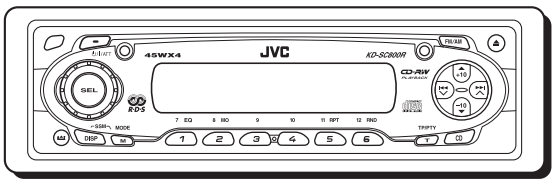
JVC

SERVICE MANUAL

CD RECEIVER

KD-SC800R





COMPACT disc DIGITAL AUDIO

R·D·S

CD-RW PLAYBACK

Area Suffix
E ---------- Continental Europe
EX ---------- Central Europe

TABLE OF CONTENTS

1 **Important Safety Precautions** 1-2
2 **Disassembly method** 1-4
3 **Adjustment** 1-24
4 **Description of major ICs** 1-28

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No.49820
2003/04

SECTION 1
Important Safety Precautions

1.1 Safety Precautions

> ⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

> ⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

1.2 Preventing static electricity

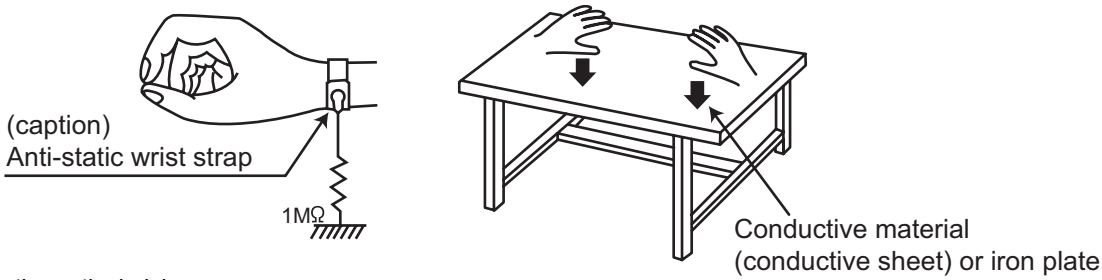
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.2.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as DVD players. Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

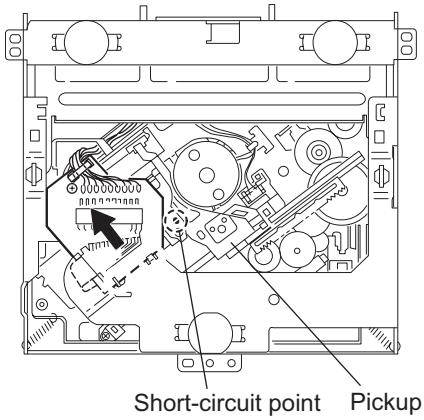
1.3 Handling the traverse unit (optical pickup)

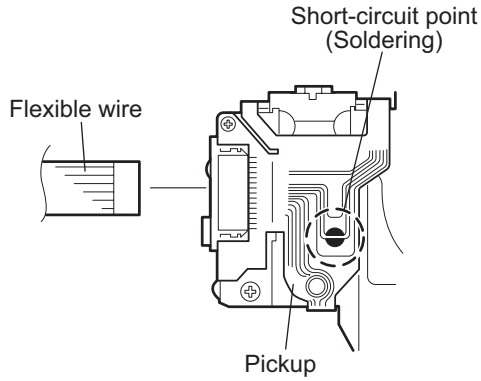
(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.4 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the CD pickup unit.**

- Apply solder to the short land before the flexible wire is disconnected from the connector on the CD pickup unit. (If the flexible wire is disconnected without applying solder, the CDpickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land after connecting the flexible wire.





SECTION 2
Disassembly method

2.1 Main body

2.1.1 Removing the front panel assembly (See Fig.1)

(1) Push the detach button in the lower left part of the front panel assembly and remove the front panel assembly in the direction of the arrow.

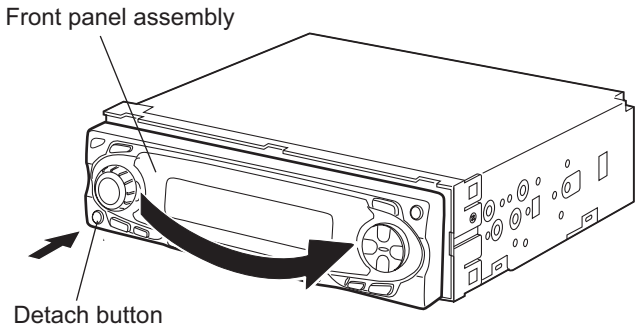


Fig.1

2.1.2 Removing the front chassis assembly (See Figs.2 to 4)

- Prior to performing the following procedure, remove the front panel assembly.

(1) Remove the screw **A** on the both sides of the main body.
(2) Remove the two screws **B** on the front side of the main body.
(3) Release the two joints **a** and two joints **b** on both sides of the main body using a screwdriver, and remove the front chassis assembly forward.
(4) Release the two joints **c** on the bottom side of the main body and remove the front chassis assembly in the direction of the arrow.(see Figs.3)

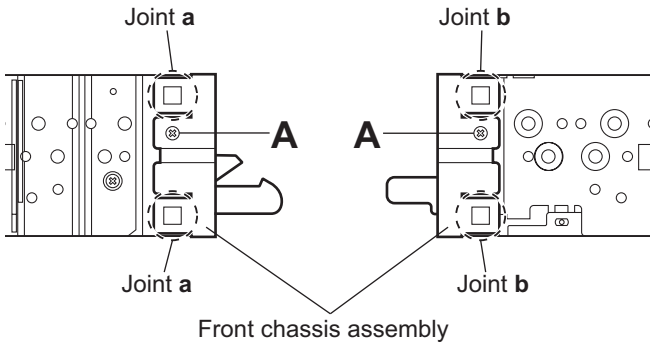


Fig.2

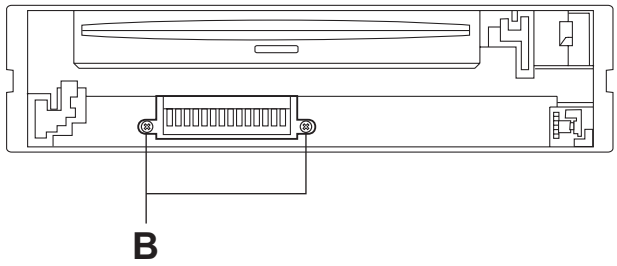


Fig.3

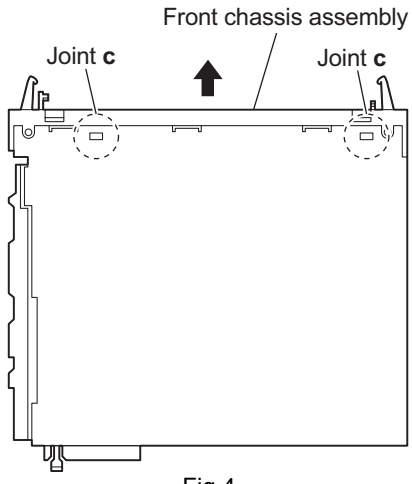


Fig.4

2.1.3 Removing the heat sink (See Fig.5)

(1) Remove the two screws **C** and one screws **D** on the left side of the main body.

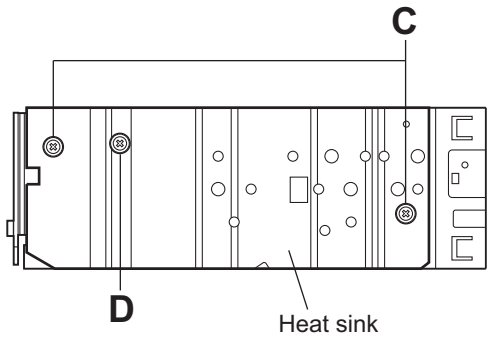


Fig.5

2.1.4 Removing the bottom cover (See Figs.6 and 7)

• Prior to performing the following procedure, remove the front panel assembly, front chassis assembly and heat sink.

(1) Turn over the body and release the two joints **d**, two joints **e** and joint **f** .

CAUTION:

Do not damage the main board when releasing the joint **d** using a screwdriver. (See Figs.6 and 7)

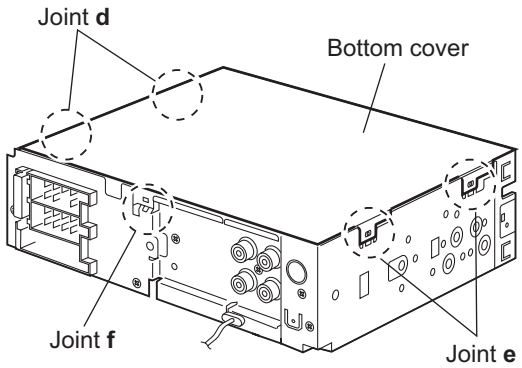


Fig.6

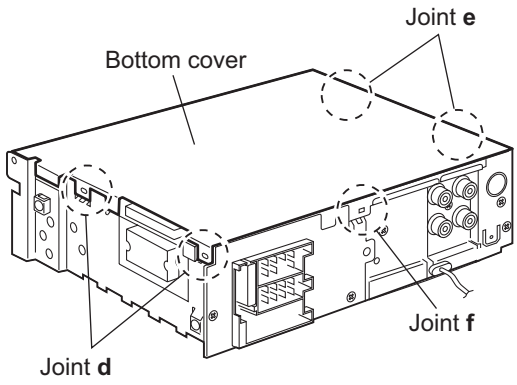


Fig.7

2.1.5 Removing the rear bracket (See Fig.8)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, heat sink and bottom cover.
  (1) Remove the three screws **E**, one screws **F** and two screws **G** on the back of the body.
  (2) Remove the rear bracket.

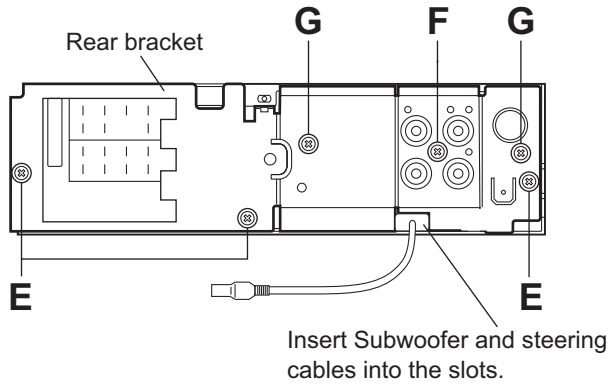


Fig.8

2.1.6 Removing the main board (See Fig.9)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, heat sink, bottom cover and rear bracket.
  (1) Remove the two screws **H** attaching the main board.
  (2) Disconnect connector CN501 and remove the main board.

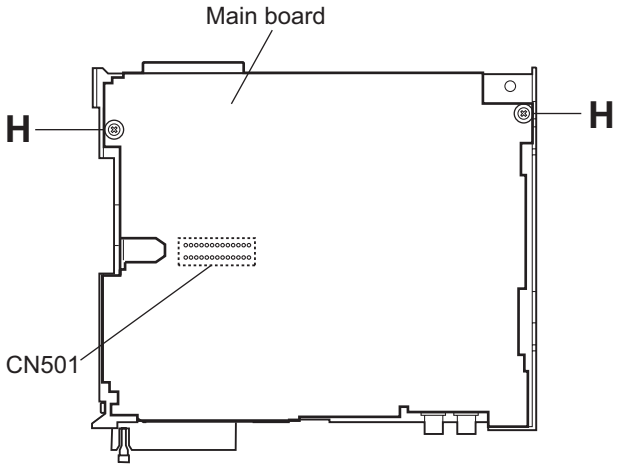


Fig.9

2.1.7 Removing the CD mechanism assembly (See Fig.10)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, heat sink, bottom cover, rear bracket and main board.
  (1) Remove the three screws **J** .

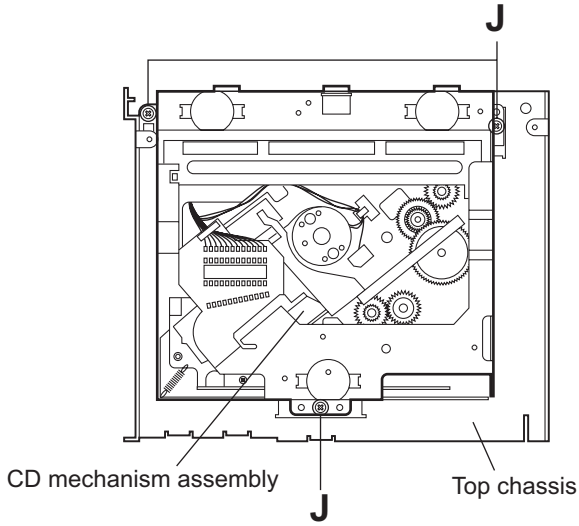


Fig.10

2.1.8 Removing the front board (See Figs.11 to 13)

- Prior to performing the following procedure, remove the front panel assembly.
  (1) Remove the four screws **K** on the back side of the front panel assembly.
  (2) Release the ten joints **g**.
  (3) Take out the front board.

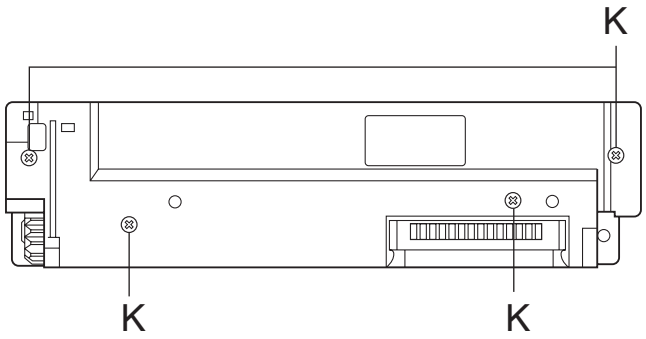


Fig.11

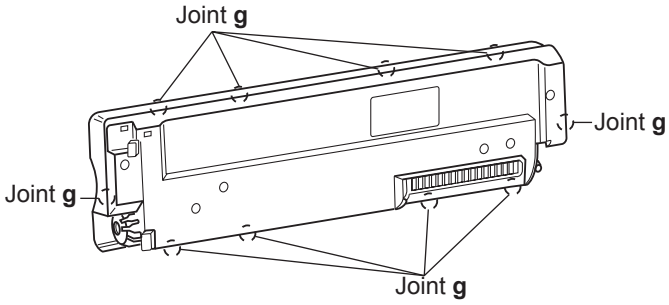


Fig.12

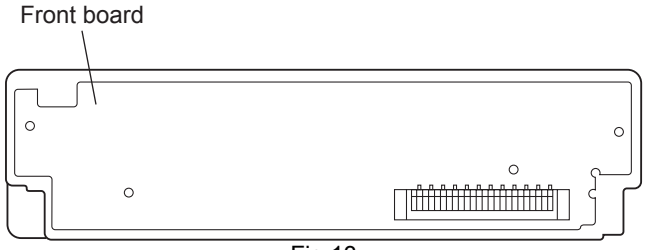


Fig.13

2.2 CD Mechanism Assembly

2.2.1 Removing the top cover (See Figs.1 and 2)

(1) Remove the two screws **A** on the both side of the body.
(2) Lift the front side of the top cover and move the top cover backward to release the two joints **a**.

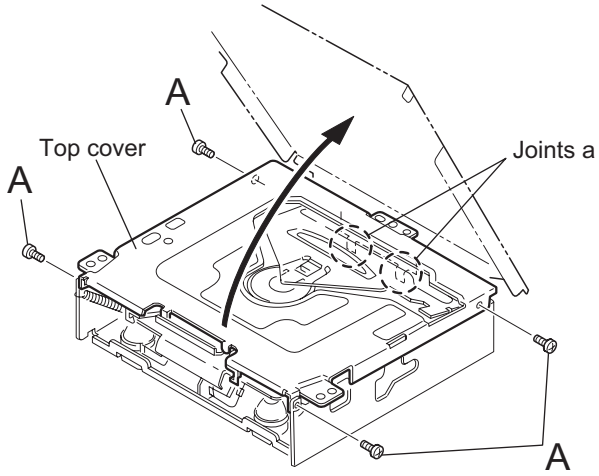


Fig.1

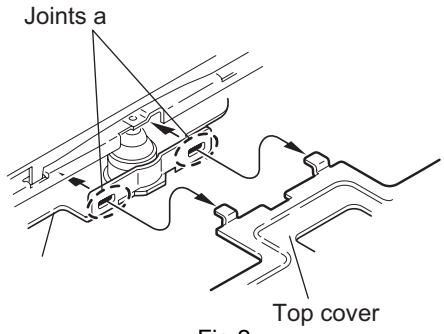


Fig.2

2.2.2 Removing the connector board (See Figs.3 to 5)

CAUTION:

Before disconnecting the flexible wire from the pickup, solder the short-circuit point on the pickup. No observance of this instruction may cause damage of the pickup.

(1) Remove the screw **B** fixing the connector board.
(2) Solder the short-circuit point on the connector board.
(3) Disconnect the flexible wire from the pickup.
(4) Move the connector board in the direction of the arrow to release the two joints **b**.
(5) Unsolder the wire on the connector board if necessary.

CAUTION:

Unsolder the short-circuit point after reassembling.

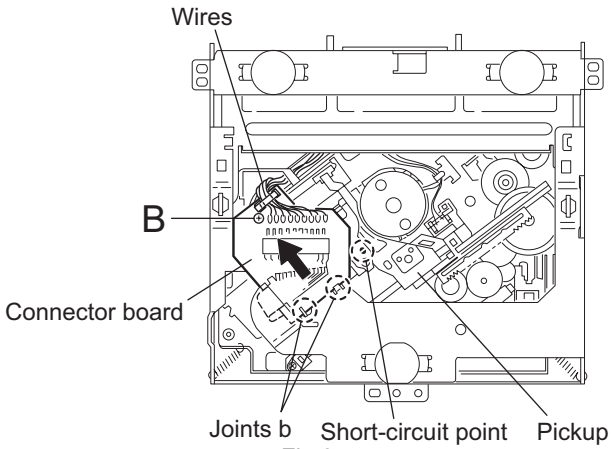


Fig.3

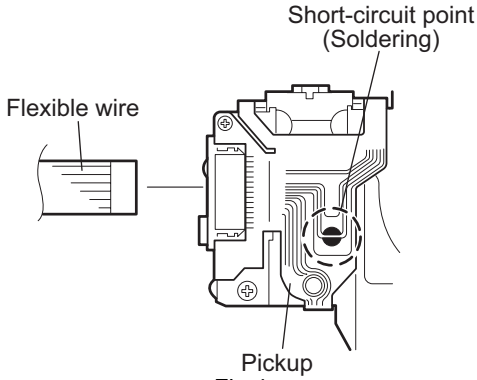


Fig.4

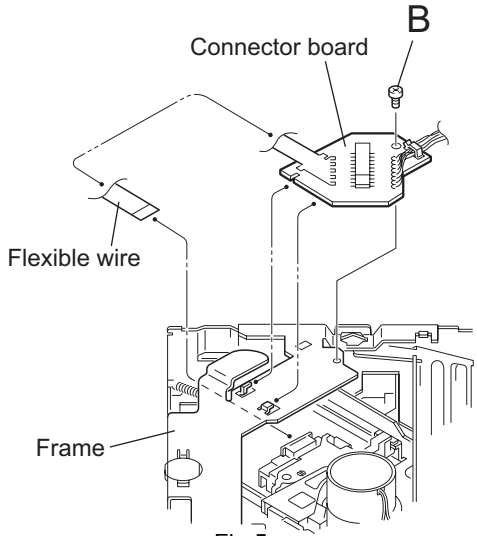


Fig.5

2.2.3 Removing the DET switch (See Figs.6 and 7)

(1) Extend the two tabs **c** of the feed sw. holder and pull out the switch.
(2) Unsolder the DET switch wire if necessary.

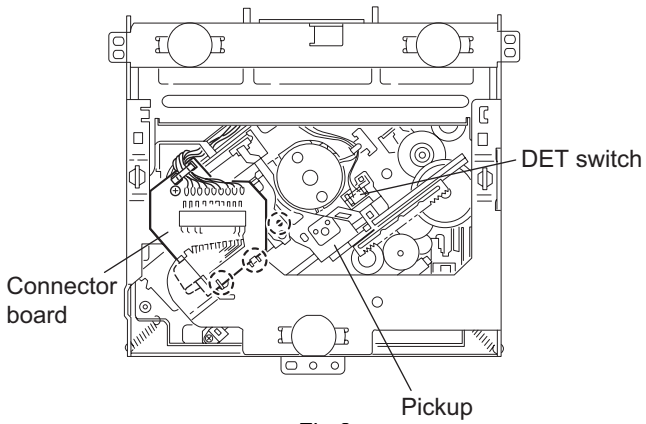


Fig.6

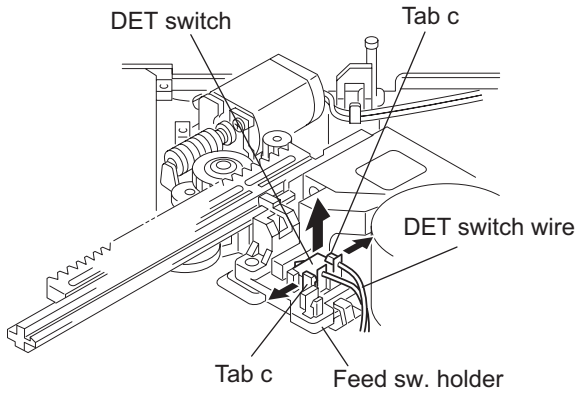


Fig.7

2.2.4 Removing the chassis unit (See Figs.8 and 9)

- Prior to performing the following procedure, remove the top cover and connector board.
  (1) Remove the two suspension springs (L) and (R) attaching the chassis unit to the frame.

  CAUTION:
  - The shape of the suspension spring (L) and (R) are different. Handle them with care.
  - When reassembling, make sure that the three shafts on the underside of the chassis unit are inserted to the dampers certainly.

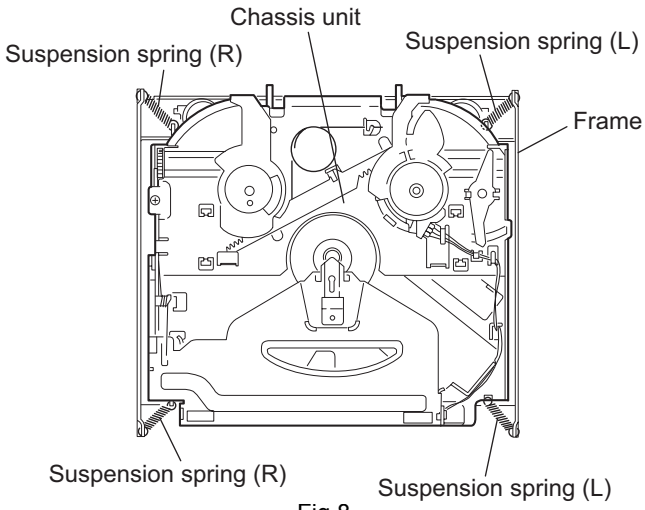


Fig.8

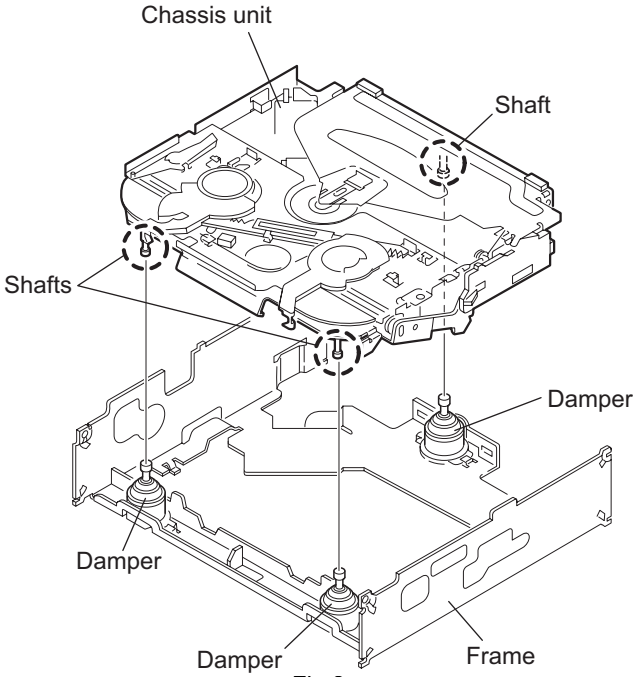


Fig.9

2.2.5 Removing the clamper assembly (See Figs.10 and 11)

- Prior to performing the following procedure, remove the top cover.
  (1) Remove the clamper arm spring.
  (2) Move the clamper assembly in the direction of the arrow to release the two joints **d**.

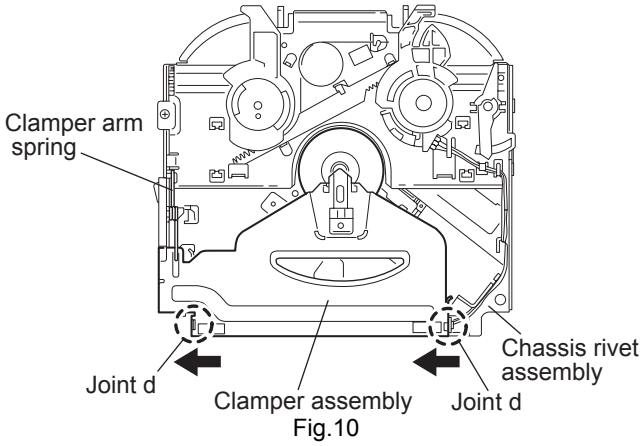


Fig.10

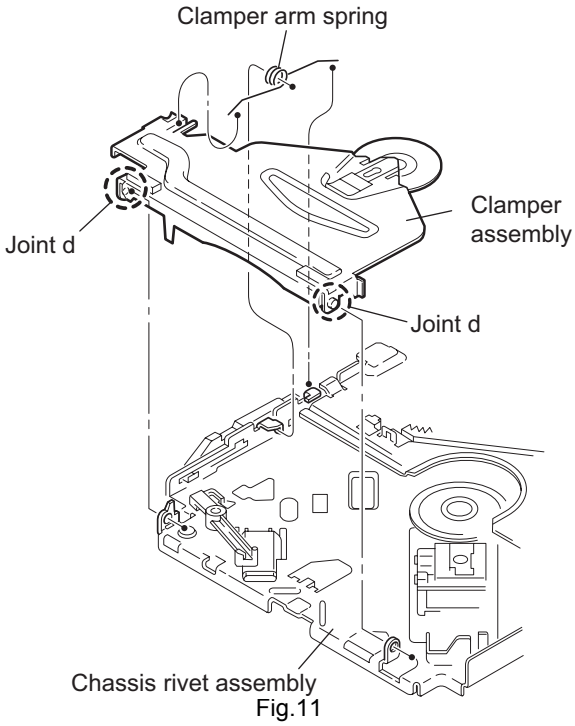


Fig.11

2.2.6 Removing the loading / feed motor assembly (See Figs.12 and 13)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
  (1) Remove the screw **C** and move the loading / feed motor assembly in the direction of the arrow to remove it from the chassis rivet assembly.
  (2) Disconnect the wire from the loading / feed motor assembly if necessary.

  CAUTION:
  When reassembling, connect the wire from the loading / feed motor assembly to the flame as shown in Fig.12.

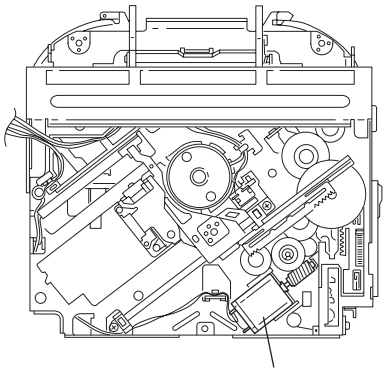


Fig.12

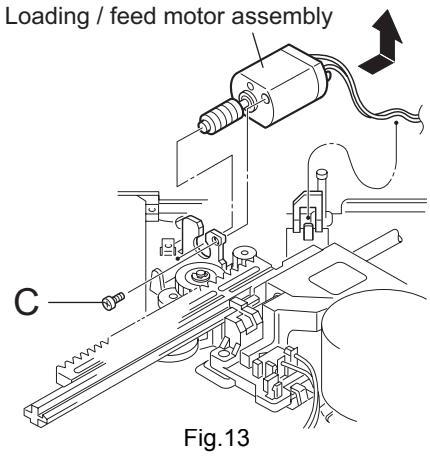


Fig.13

2.2.7 Removing the pickup unit (See Figs.14 to 18)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
  (1) Remove the screw **D** and pull out the pu. shaft holder from the pu. shaft.
  (2) Remove the screw **E** attaching the feed sw. holder.
  (3) Move the part **e** of the pickup unit upward with the pu. shaft and the feed sw. holder, then release the joint f of the feed sw. holder in the direction of the arrow. The joint **g** of the pickup unit and the feed rack is released, and the feed sw. holder comes off.
  (4) Remove the pu. shaft from the pickup unit.
  (5) Remove the screw **F** attaching the feed rack to the pickup unit.

2.2.8 Reattaching the pickup unit (See Figs.14 to 17)

(1) Reattach the feed rack to the pickup unit using the screw **F**.
(2) Reattach the feed sw. holder to the feed rack while setting the joint g to the slot of the feed rack and setting the part f of the feed rack to the switch of the feed sw. holder correctly.
(3) As the feed sw. holder is temporarily attached to the pickup unit, set to the gear of the joint g and to the bending part of the chassis (joint **h**) at a time.

CAUTION:
Make sure that the part i on the underside of the feed rack is certainly inserted to the slot j of the change lock lever.

(4) Reattach the feed sw. holder using the screw **E**.
(5) Reattach the pu. shaft to the pickup unit. Reattach the pu. shaft holder to the pu. shaft using the screw **D**.

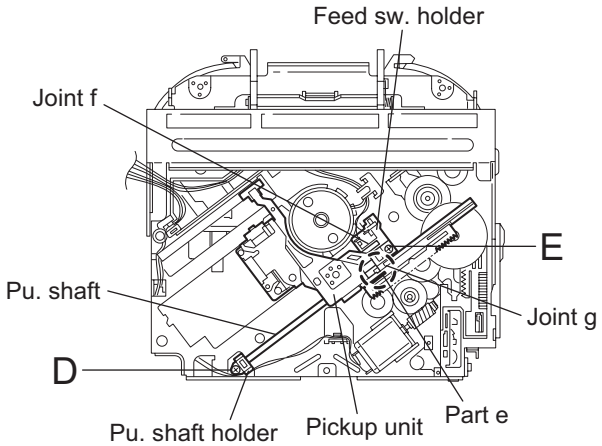


Fig.14

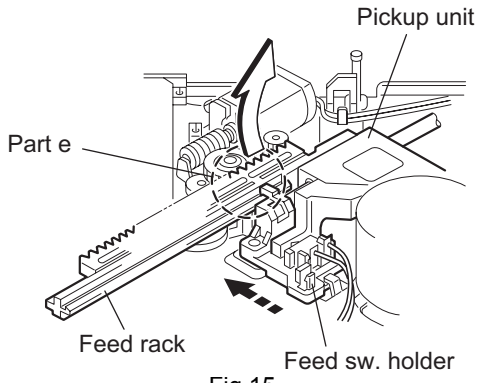


Fig.15

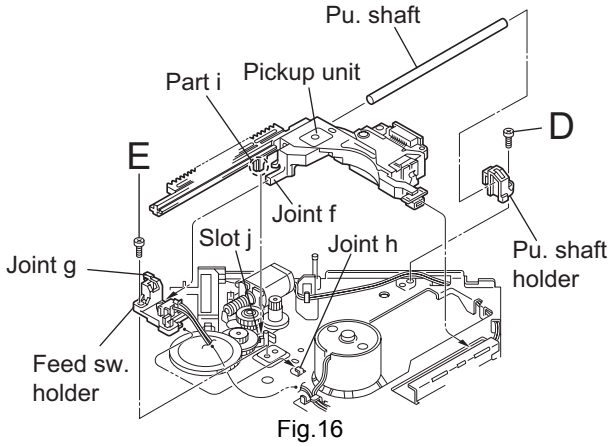


Fig.16

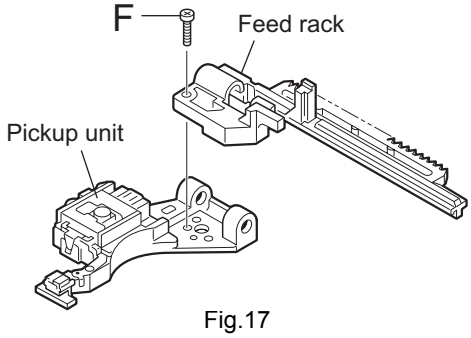


Fig.17

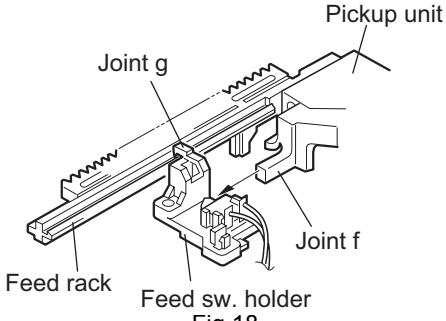


Fig.18

2.2.9 Removing the trigger arm (See Figs.19 and 20)

- Prior to performing the following procedure, remove the top cover, connector board and clamper unit.
  (1) Turn the trigger arm in the direction of the arrow to release the joint k and pull out upward.

  CAUTION:

  When reassembling, insert the part m and n of the trigger arm into the part p and q at the slot of the chassis rivet assembly respectively and join the joint k at a time.

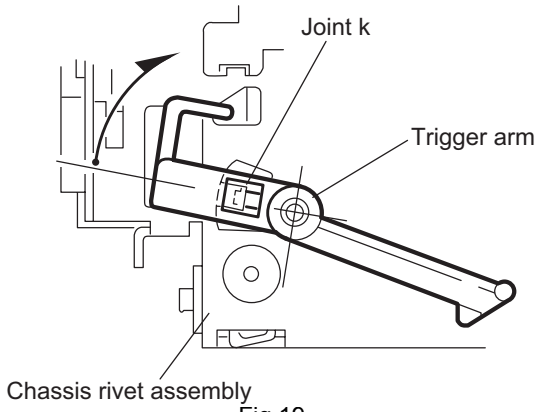


Fig.19

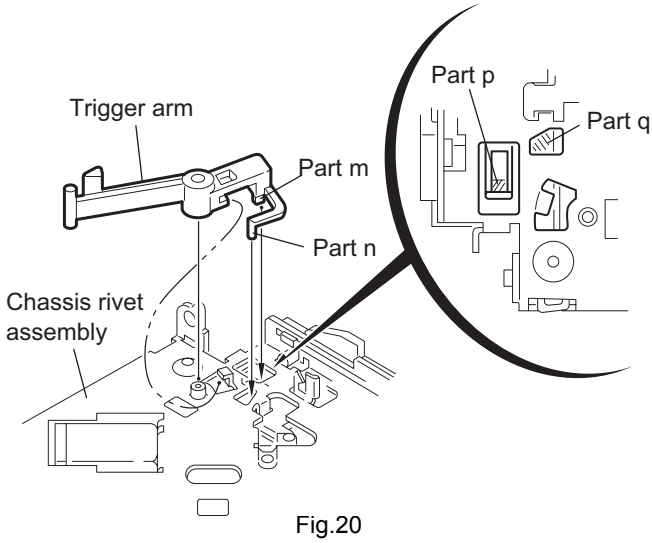


Fig.20

2.2.10 Removing the top plate assembly (See Fig.21)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit, and clamper assembly.
  (1) Remove the screw **H**.
  (2) Move the top plate assembly in the direction of the arrow to release the two joints r.
  (3) Unsolder the wire marked s if necessary.

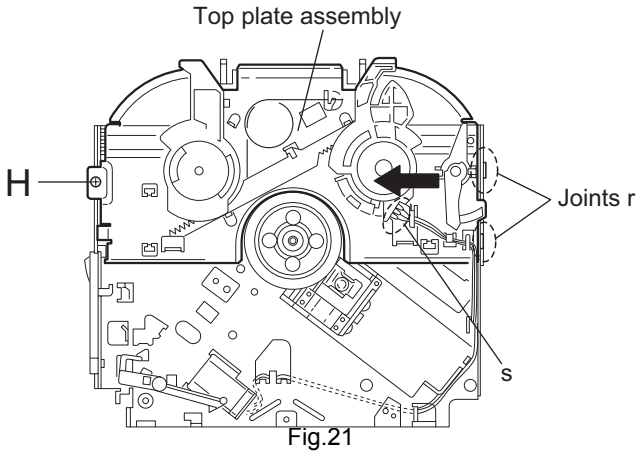


Fig.21

2.2.11 Removing the mode sw. / select lock arm (See Figs.22 and 23)

- Prior to performing the following procedure, remove the top plate assembly.
  (1) Bring up the mode sw. to release from the link plate (joint **t**) and turn in the direction of the arrow to release the joint **u**.
  (2) Unsolder the wire of the mode sw. marked s if necessary.
  (3) Turn the select lock arm in the direction of the arrow to release the two joints **v**.
  (4) The select lock arm spring comes off the select lock arm at the same time.

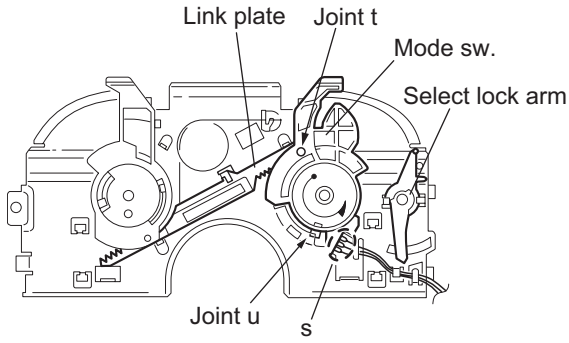


Fig.22

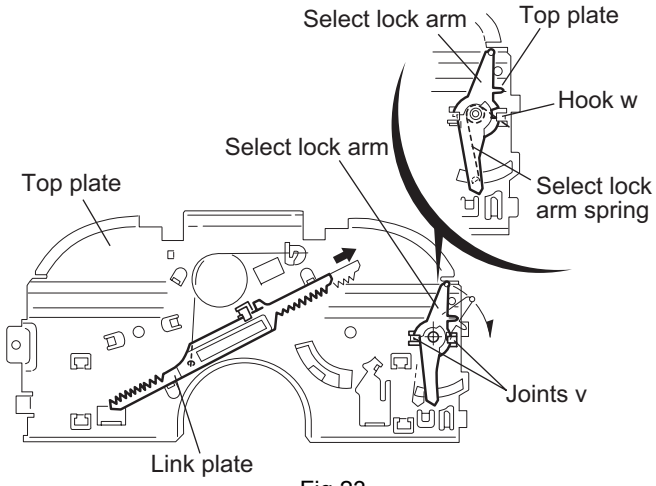


Fig.23

2.2.12 Reassembling the mode sw. / select lock arm (See Figs.24 to 26)

REFERENCE:

Reverse the above removing procedure.

(1) Reattach the select lock arm spring to the top plate and set the shorter end of the select lock arm spring to the hook w on the top plate.

(2) Set the other longer end of the select lock arm spring to the boss x on the underside of the select lock arm, and join the select lock arm to the slots (joint **v**). Turn the select lock arm as shown in the figure.

(3) Reattach the mode sw. while setting the part t to the first peak of the link plate gear, and join the joint **u**.

CAUTION:

When reattaching the mode sw., check if the points y and z are correctly fitted and if each part operates properly.

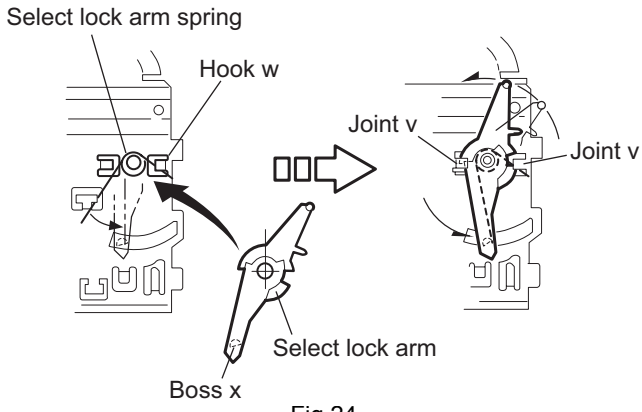


Fig.24

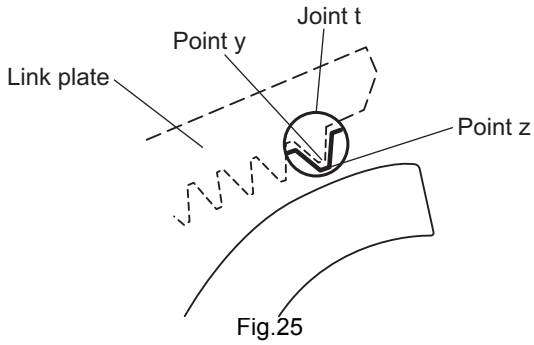


Fig.25

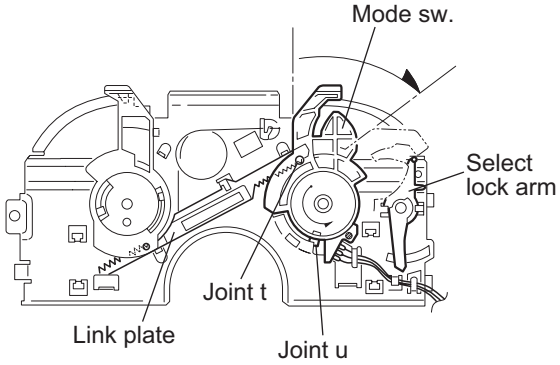


Fig.26

2.2.13 Removing the select arm R / link plate (See Figs.27 and 28)

- Prior to performing the following procedure, remove the top plate assembly.
  (1) Bring up the select arm R to release from the link plate (joint a') and turn as shown in the figure to release the two joints **b'** and joint **c'**.
  (2) Move the link plate in the direction of the arrow to release the joint d'. Remove the link plate spring at the same time.

REFERENCE:

Before removing the link plate, remove the mode sw..

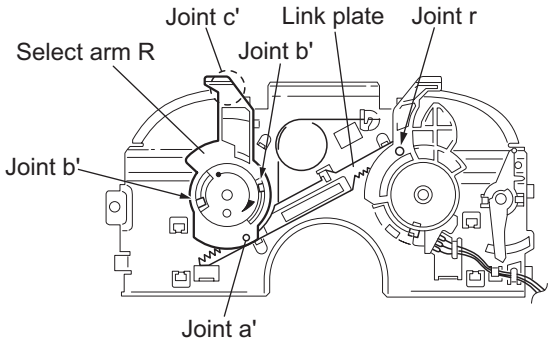


Fig.27

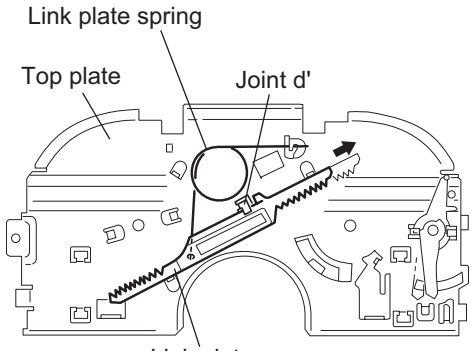


Fig.28

2.2.14 Reattaching the Select arm R / link plate (See Figs.29 and 30)

REFERENCE:

Reverse the above removing procedure.

(1) Reattach the link plate spring.
(2) Reattach the link plate to the link plate spring while joining them at joint **d'**.
(3) Reattach the joint a' of the select arm R to the first peak of the link plate while joining the two joints b' with the slots. Then turn the select arm R as shown in the figure. The top plate is joined to the joint **c'**.

CAUTION:

When reattaching the select arm R, check if the points **e'** and **f'** are correctly fitted and if each part operates properly.

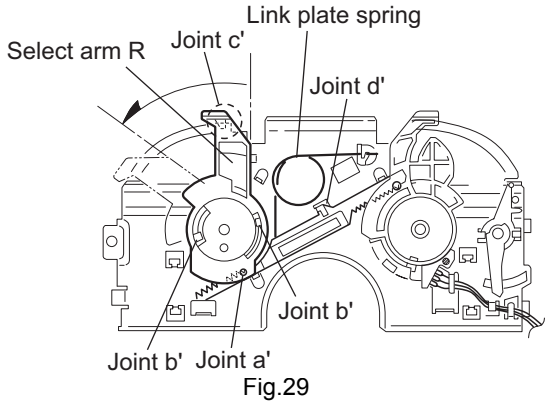


Fig.29

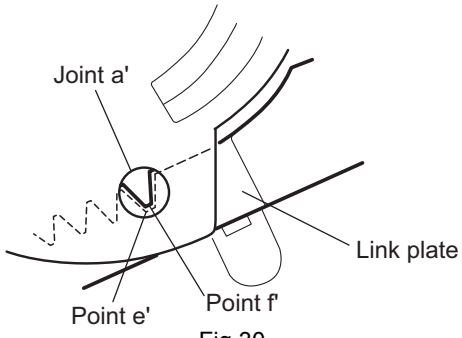


Fig.30

2.2.15 Removing the loading roller assembly (See Figs.31 to 33)

- Prior to performing the following procedure, remove the clamper assembly and top plate assembly.

(1) Push inward the loading roller assembly on the gear side and detach it upward from the slot of the joint **g'** of the lock arm rivet assembly.

(2) Detach the loading roller assembly from the slot of the joint **h'** of the lock arm rivet assembly.

The roller guide comes off the gear section of the loading roller assembly.

Remove the roller guide and the HL washer from the shaft of the loading roller assembly.

(3) Remove the screw **J** attaching the lock arm rivet assembly.

(4) Push the shaft at the joint **i'** of the lock arm rivet assembly inward to release the lock arm rivet assembly from the slot of the L side plate.

(5) Extend the lock arm rivet assembly outward and release the joint **j'** from the boss of the chassis rivet assembly. The roller guide springs on both sides come off at the same time.

CAUTION:

When reassembling, reattach the left and right roller guide springs to the lock arm rivet assembly before reattaching the lock arm rivet assembly to the chassis rivet assembly. Make sure to fit the part k' of the roller guide spring inside of the roller guide. (Refer to Fig.34.)

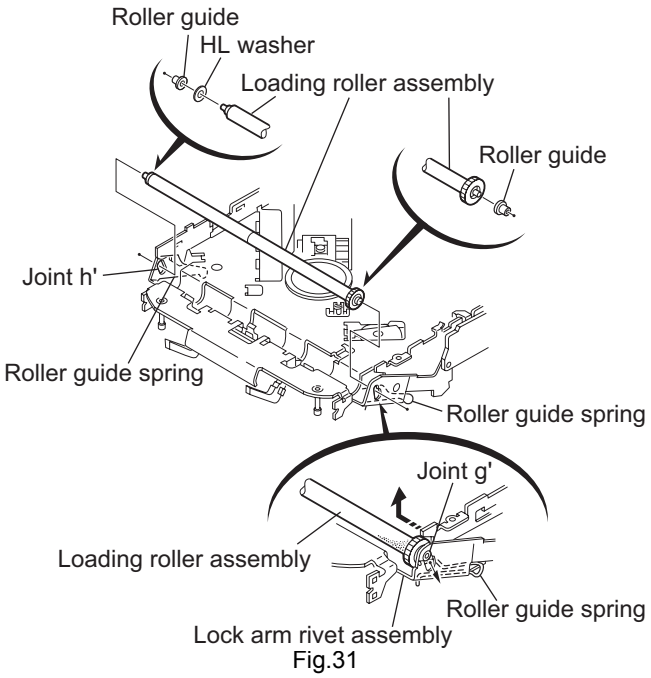


Fig.31

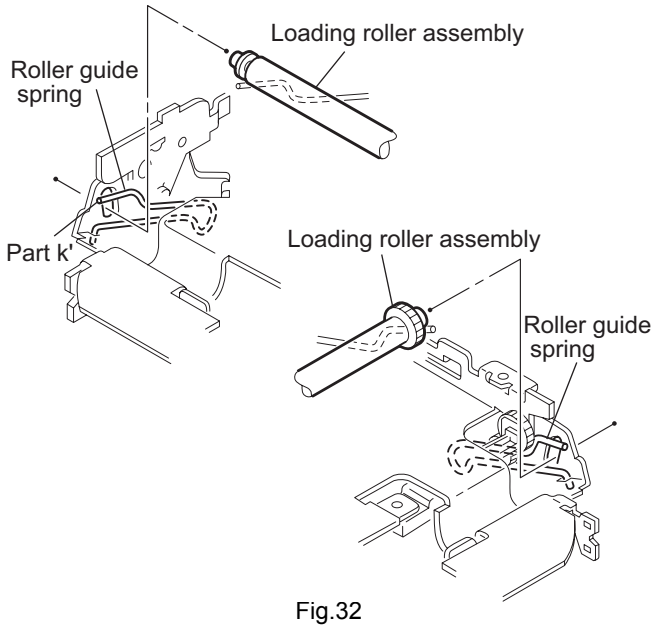


Fig.32

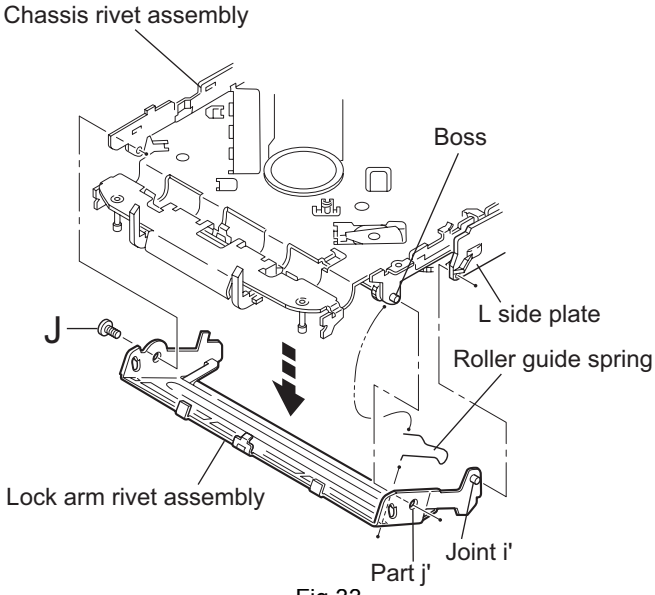


Fig.33

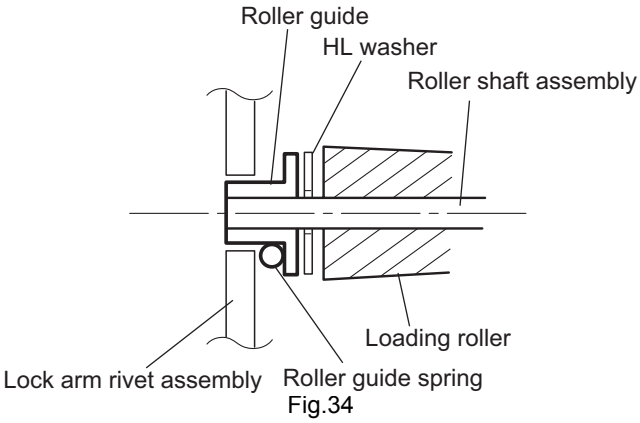


Fig.34

2.2.16 Removing the loading gear 5, 6 and 7 (See Figs.35 and 36)

- Prior to performing the following procedure, remove the top cover, chassis unit, pickup unit and top plate assembly.
  (1) Remove the screw **K** attaching the loading gear bracket. The loading gear 6 and 7 come off the loading gear bracket.
  (2) Pull out the loading gear 5.

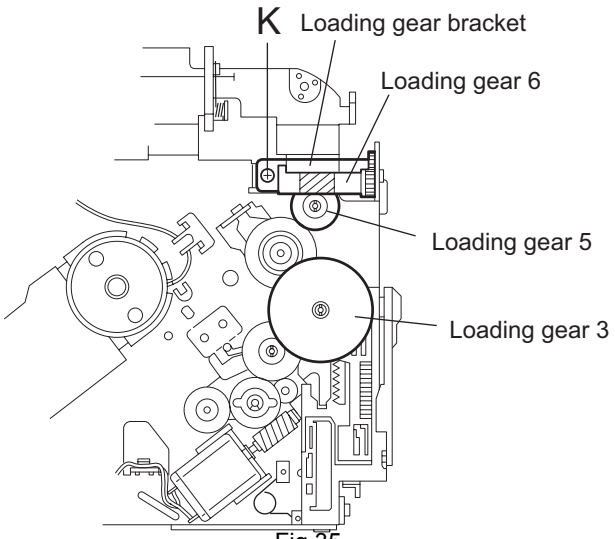


Fig.35

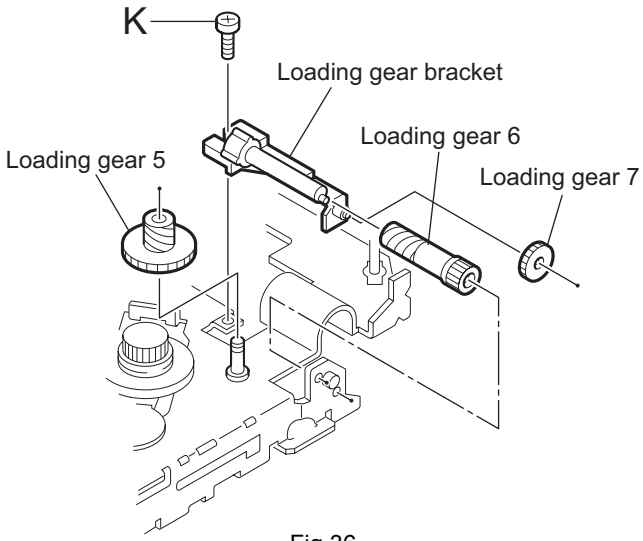


Fig.36

2.2.17 Removing the gears (See Figs.37 to 40)

- Prior to performing the following procedure, remove the top cover, chassis unit, top plate assembly and pickup unit.
- Pull out the loading gear 3. (See Fig.35.)
  (1) Pull out the feed gear.
  (2) Move the loading plate assembly in the direction of the arrow to release the L side plate from the two slots m' of the chassis rivet assembly. (See Fig.37.)
  (3) Detach the loading plate assembly upward from the chassis rivet assembly while releasing the joint **n'**. Remove the slide hook and loading plate spring from the loading plate assembly.
  (4) Pull out the loading gear 2 and remove the change lock lever.
  (5) Remove the E ring and washer attaching the changer gear 2.
  (6) The changer gear 2, change gear spring and adjusting washer come off.
  (7) Remove the loading gear 1.
  (8) Move the change plate rivet assembly in the direction of the arrow to release from the three shafts of the chassis rivet assembly upward. (See Fig.38.)
  (9) Detach the loading gear plate rivet assembly from the shaft of the chassis rivet assembly upward while releasing the joint p'. (See Figs.38 and 40.)
  (10) Pull out the loading gear 4.

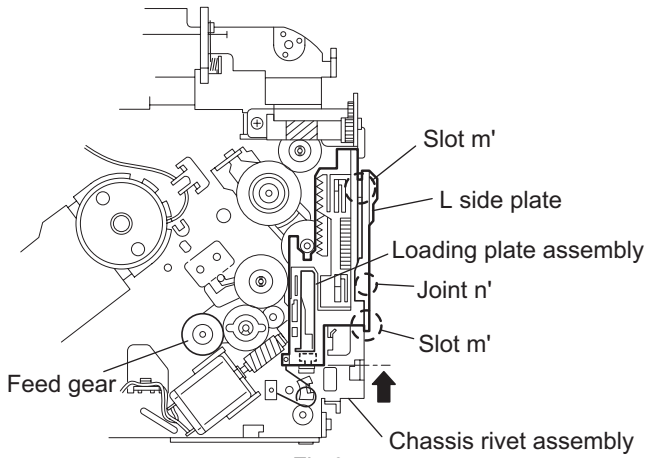


Fig.37

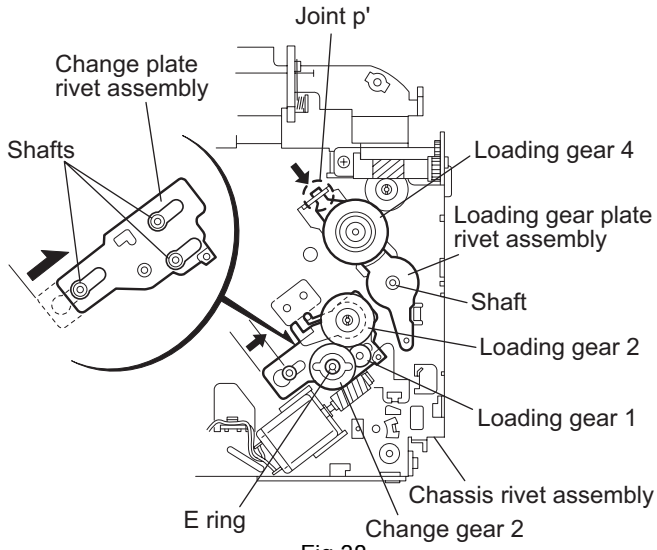


Fig.38

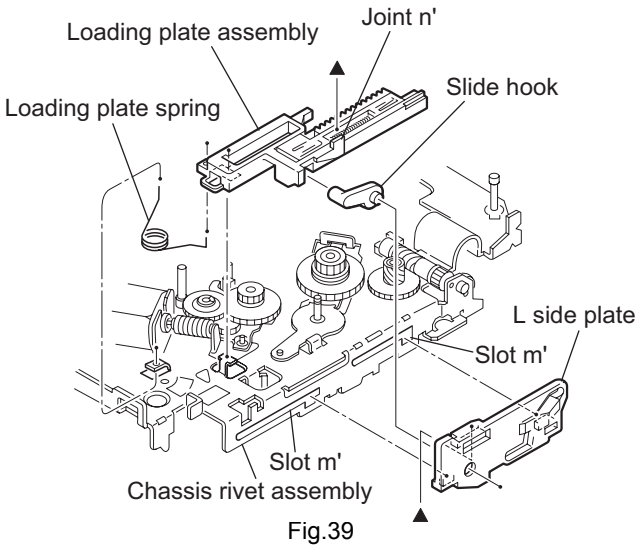


Fig.39

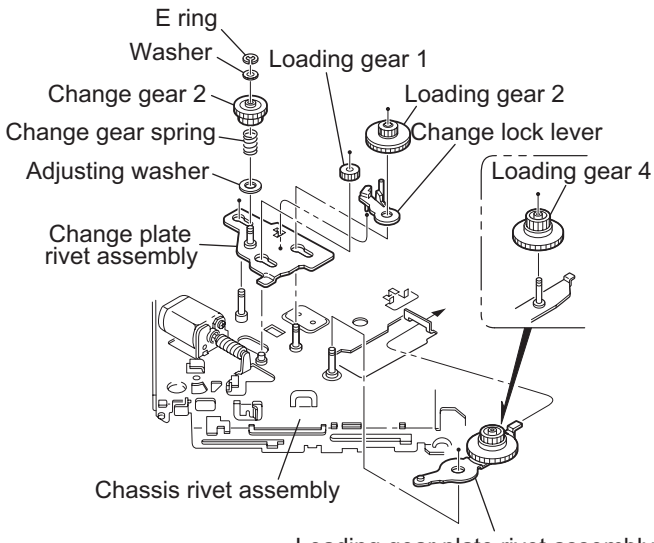


Fig.40

2.2.18 Removing the turn table / spindle motor (See Figs.41 and 42)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit and clamper assembly.
  (1) Remove the two screws **L** attaching the spindle motor assembly through the slot of the turn table on top of the body.
  (2) Unsolder the wire on the connector board if necessary.

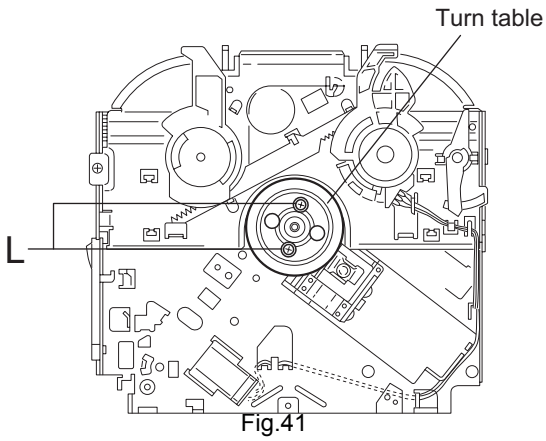


Fig.41

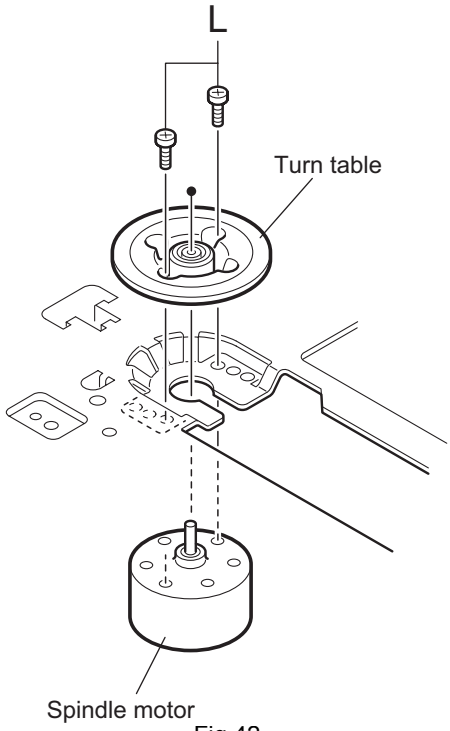


Fig.42

2.3 Finder Plate Design

Model Name : KD-SC800R

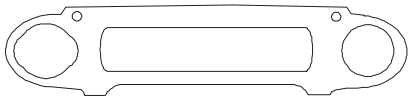
Factory Setting

Design Name : SAPPHIRE BLUE

Design Name : LEOPARD

Design Name : CARBON BLACK

Design Name : SILVER HAIRLINE



SECTION 3
Adjustment

3.1 Adjustment method

■ Test instruments required for adjustment
1. Digital oscilloscope (100MHz)
2. AM Standard signal generator
3. FM Standard signal generator
4. Stereo modulator
5. Electric voltmeter
6. Digital tester
7. Tracking offset meter
8. Test Disc JVC :CTS-1000
9. Extension cable for check
EXTSH002-22P× 1

■ Standard volume position
Balance and Bass &Treble volume : Indication"0"
Loudness : OFF

■ Frequency Band
FM 87.5 MHz to 108.0 MHz
AM(MW) 522 kHz to 1620 kHz
(LW) 144 kHz to 279 kHz

■ Dummy load
Exclusive dummy load should be used for AM,and FM. For FM dummy load,there is a loss of 6dB between SSG output and antenna input.The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

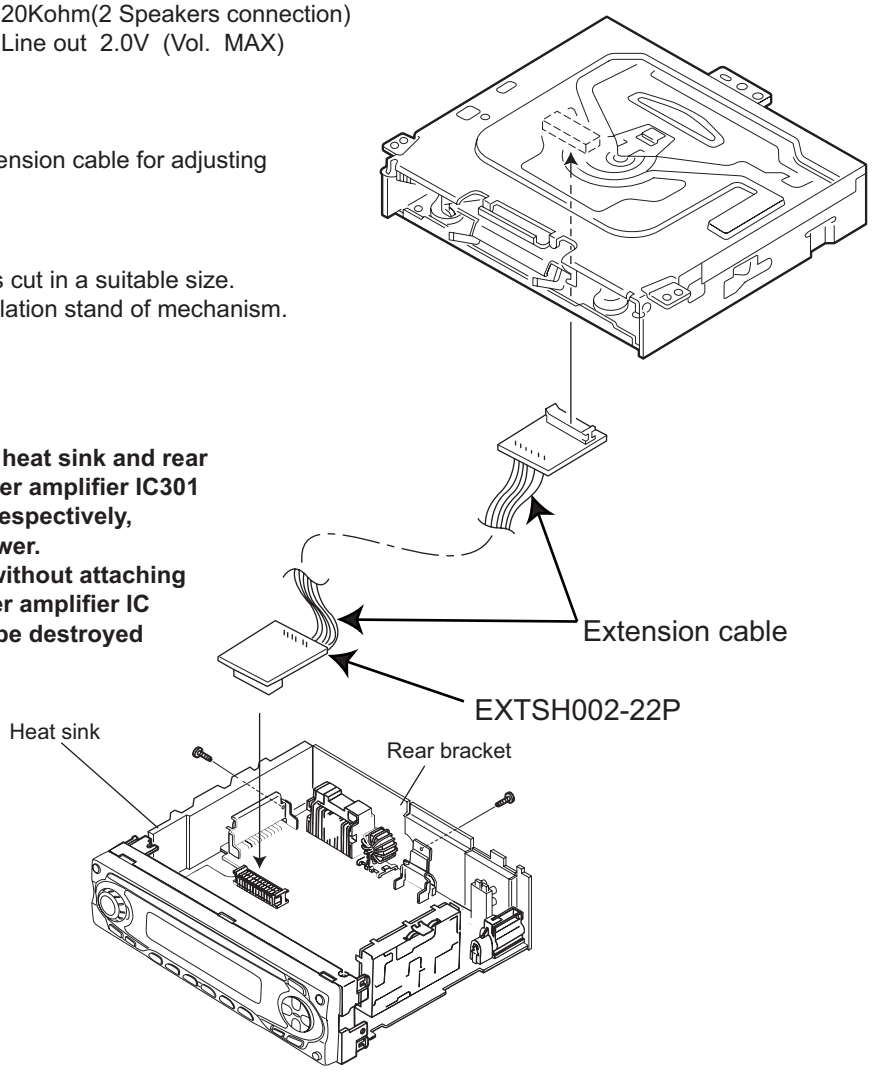
■ Standard measuring conditions

Power supply voltage	DC14.4V(10.5 to16V)
Load impedance	20Kohm(2 Speakers connection)
Output Level	Line out 2.0V (Vol. MAX)

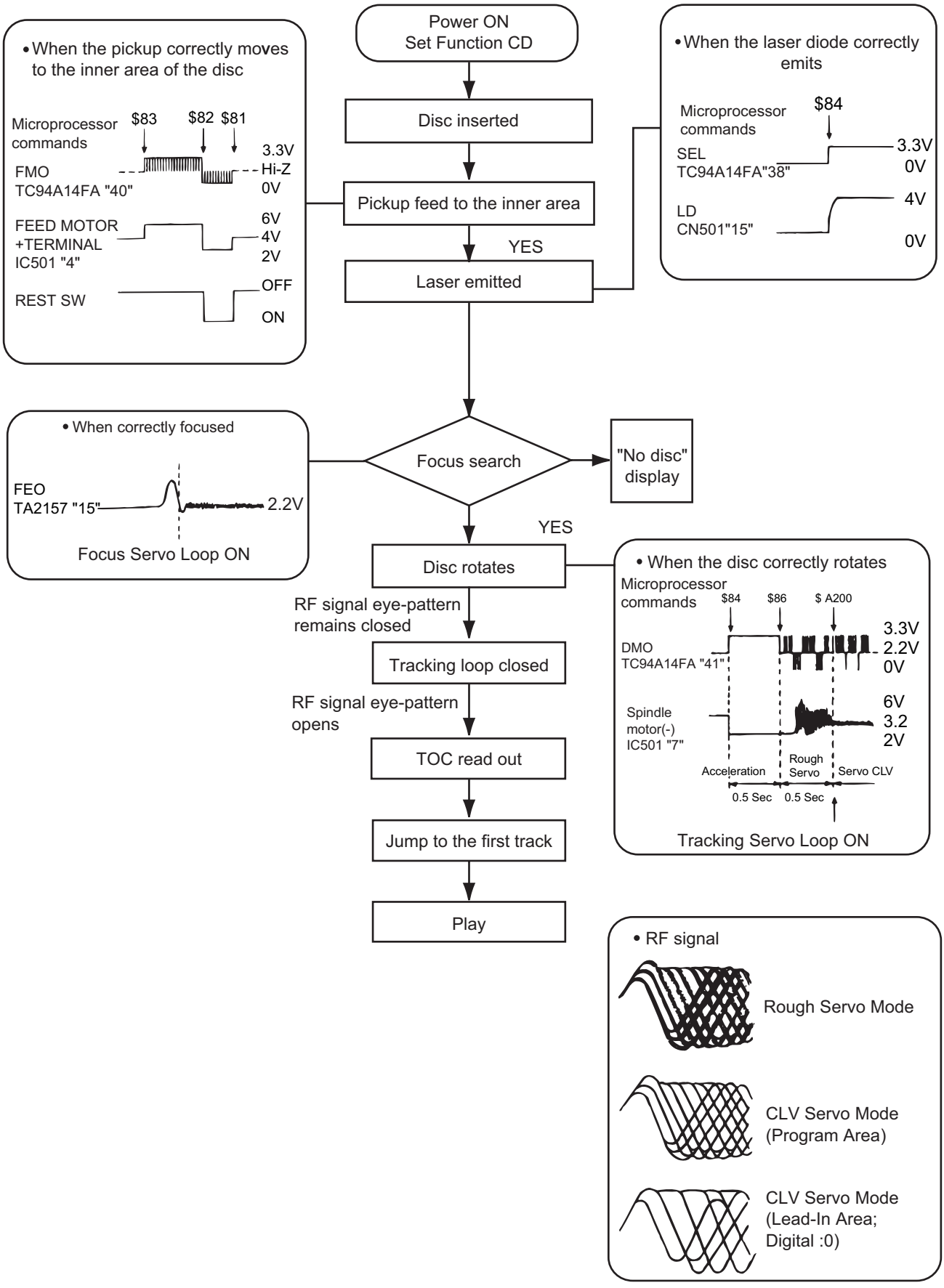
■ How to connect the extension cable for adjusting

* The cardboard is cut in a suitable size.
uses for the insulation stand of mechanism.

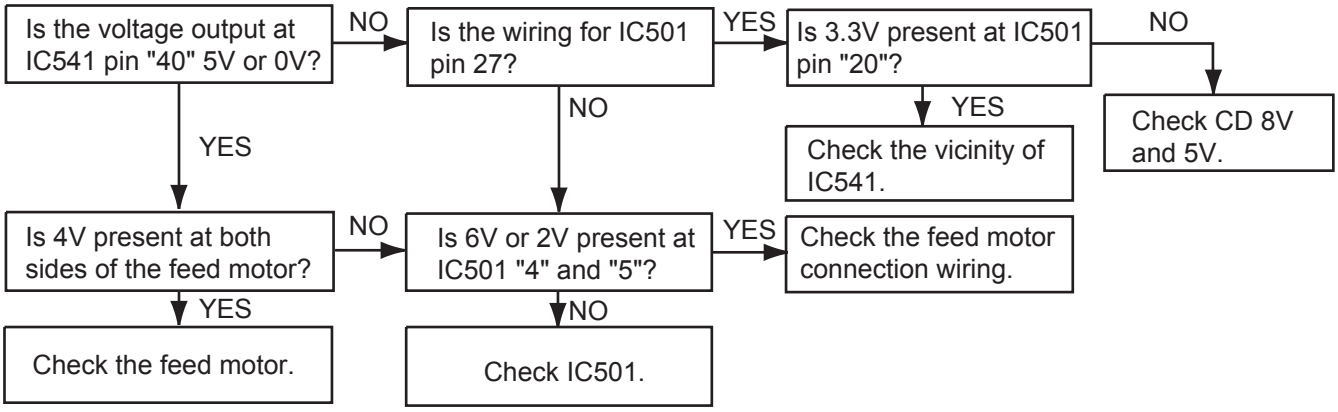
Caution:
Be sure to attach the heat sink and rear bracket onto the power amplifier IC301 and regulator IC901 respectively, before supply the power.
If voltage is applied without attaching these parts, the power amplifier IC and regulator IC will be destroyed by heat.



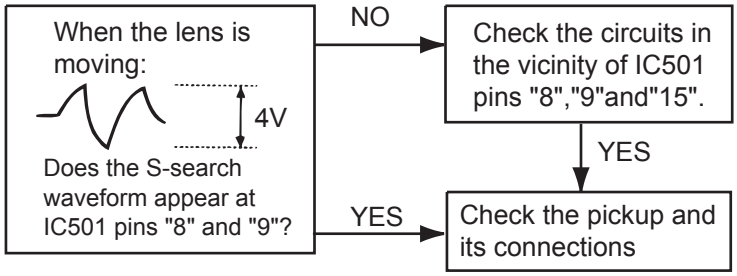
3.2 Flow of functional operation unit TOC read



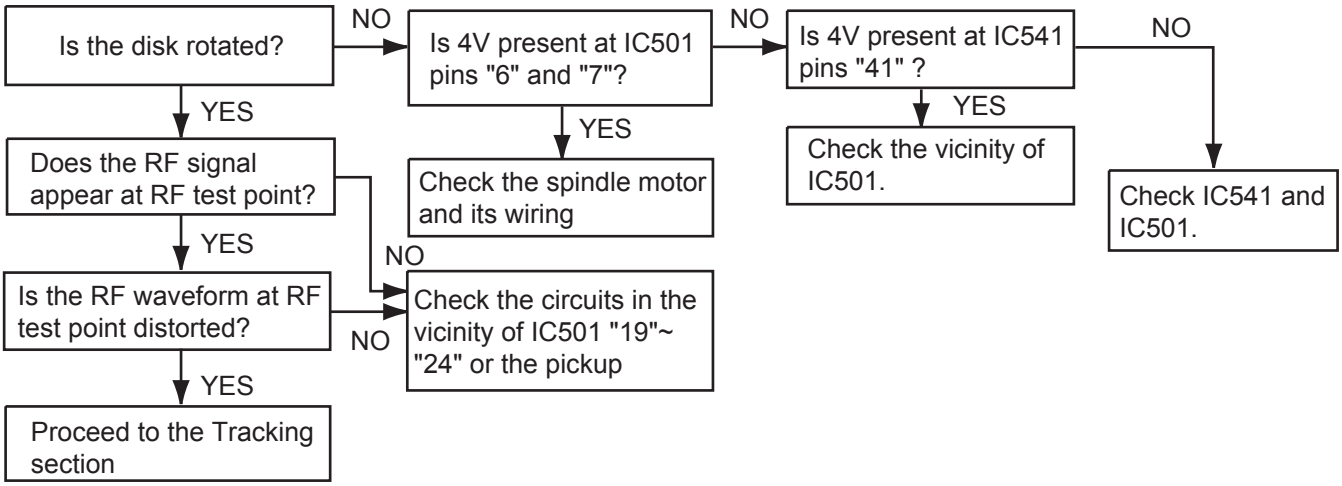
3.2.1 Feed section



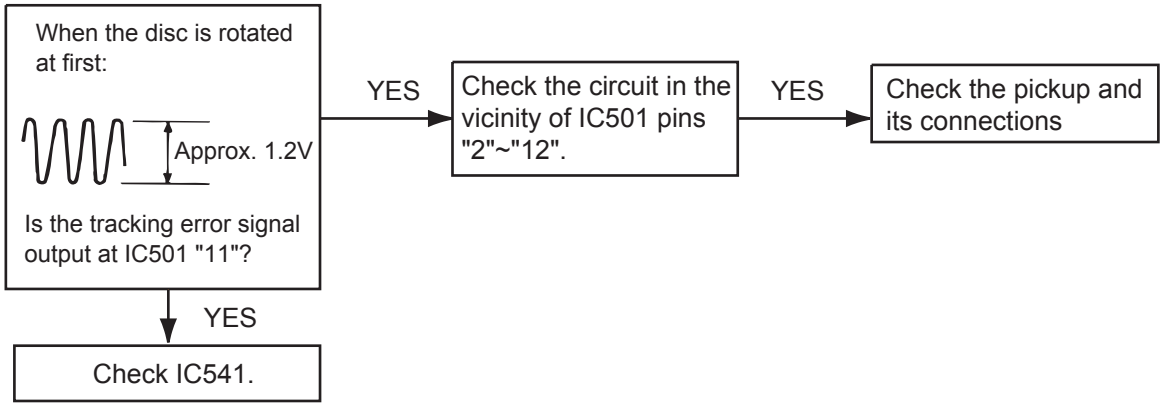
3.2.2 Focus section


When the lens is moving:
4V
Does the S-search waveform appear at IC501 pins "8" and "9"?
NO
Check the circuits in the vicinity of IC501 pins "8","9"and"15".
YES
YES
Check the pickup and its connections

3.2.3 Spindle section


Is the disk rotated?
NO
Is 4V present at IC501 pins "6" and "7"?
NO
Is 4V present at IC541 pins "41" ?
NO
YES
YES
YES
Does the RF signal appear at RF test point?
Check the spindle motor and its wiring
Check the vicinity of IC501.
Check IC541 and IC501.
YES
NO
Is the RF waveform at RF test point distorted?
Check the circuits in the vicinity of IC501 "19"~ "24" or the pickup
NO
YES
Proceed to the Tracking section

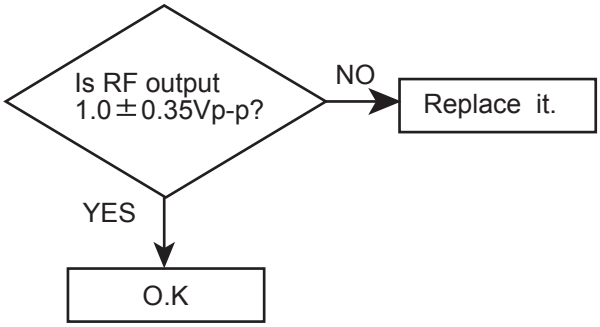
3.2.4 Tracking section


When the disc is rotated at first:
Approx. 1.2V
Is the tracking error signal output at IC501 "11"?
YES
Check the circuit in the vicinity of IC501 pins "2"~"12".
YES
Check the pickup and its connections
YES
Check IC541.

3.3 Maintenance of laser pickup

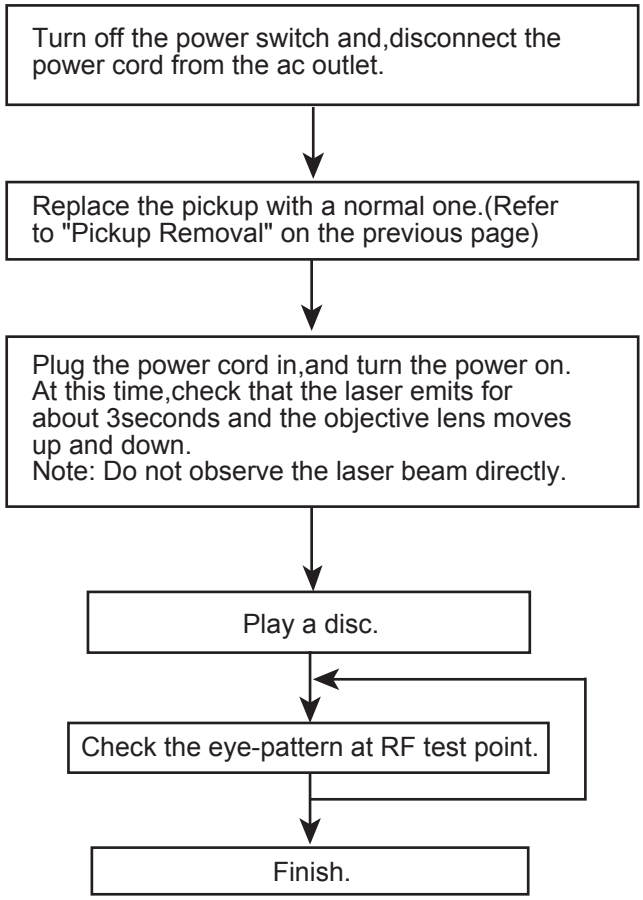
(1) Cleaning the pick up lens
Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

(2) Life of the laser diode
When the life of the laser diode has expired, the following symptoms will appear.
- The level of RF output (EFM output:ampli tude of eye pattern) will be low.



(3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.
If the laser power is lower than the specified value,the laser diode is almost worn out, and the laser pickup should be replaced.
If the semi-fixed resistor is adjusted while the pickup is functioning normally,the laser pickup may be damaged due to excessive current.

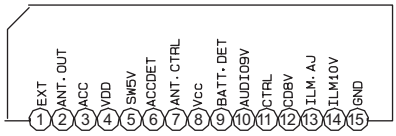
3.4 Replacement of laser pickup


Turn off the power switch and,disconnect the power cord from the ac outlet.
Replace the pickup with a normal one.(Refer to "Pickup Removal" on the previous page)
Plug the power cord in,and turn the power on. At this time,check that the laser emits for about 3seconds and the objective lens moves up and down.
Note: Do not observe the laser beam directly.
Play a disc.
Check the eye-pattern at RF test point.
Finish.

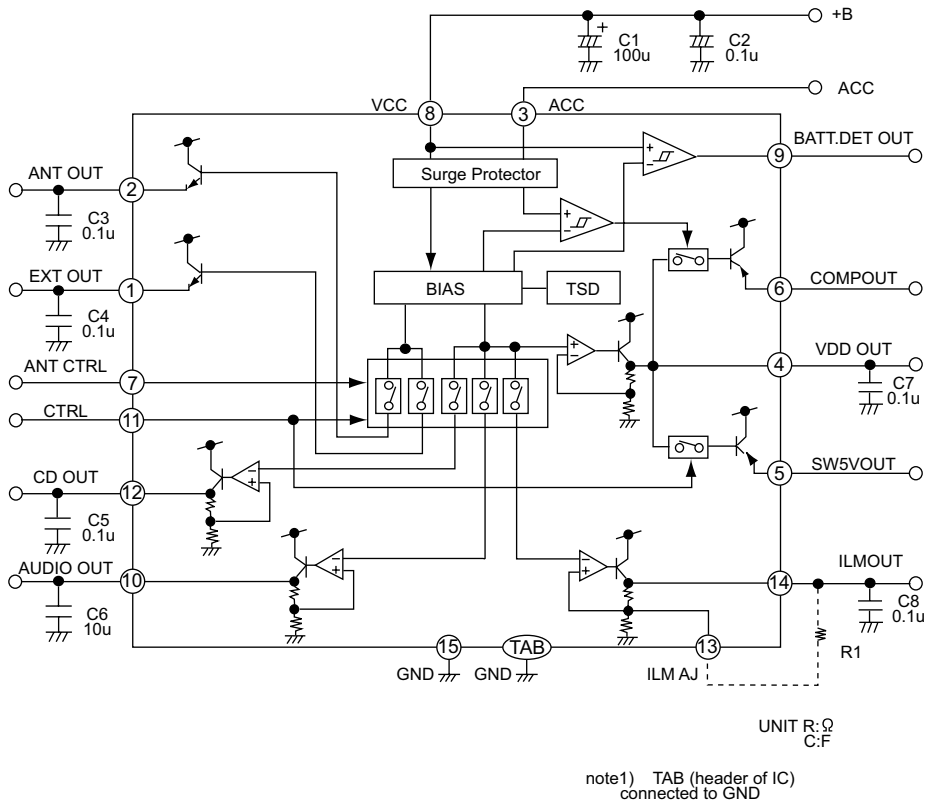
SECTION 4
Description of major ICs

4.1 HA13164A (IC961) : Regulator

• Terminal layout



• Block diagram

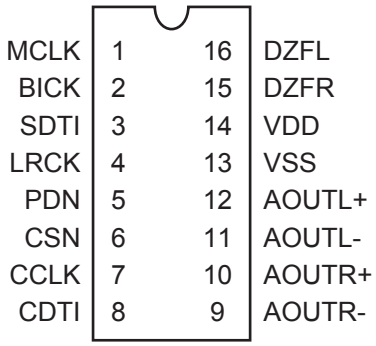


• Pin function

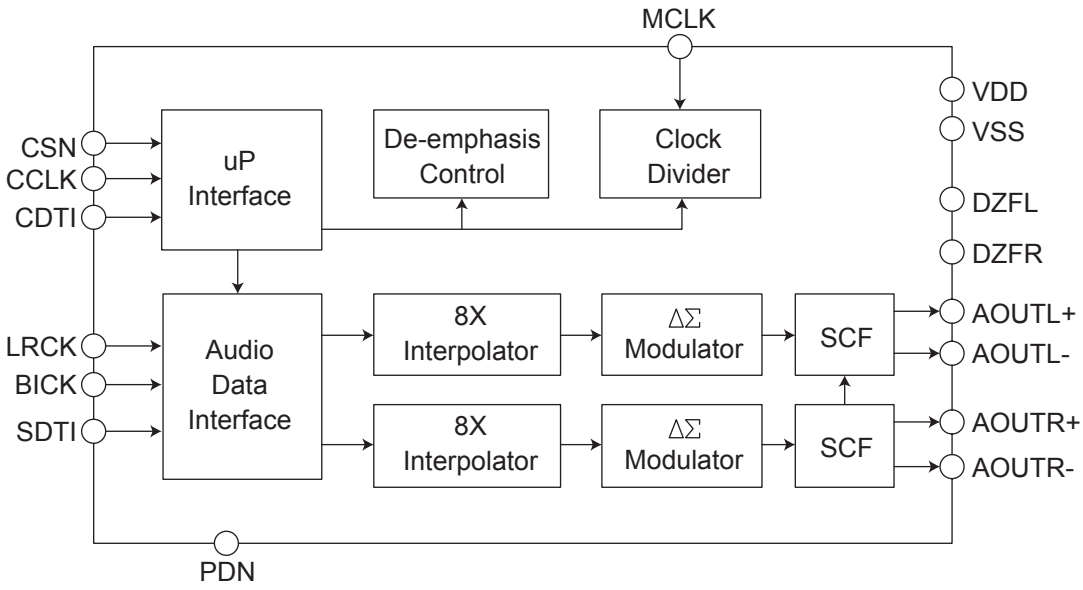
Pin No.	Symbol	Function
1	EXTOUT	Output voltage is VCC-1 V when M or H level applied to CTRL pin.
2	ANTOUT	Output voltage is VCC-1 V when M or H level to CTRL pin and H level to ANT-CTRL.
3	ACCIN	Connected to ACC.
4	VDDOUT	Regular 5.7V.
5	SW5VOUT	Output voltage is 5V when M or H level applied to CTRL pin.
6	COMPOUT	Output for ACC detector.
7	ANT CTRL	L:ANT output OFF H:ANT output ON
8	VCC	Connected to VCC.
9	BATT DET	Low battery detect.
10	AUDIO OUT	Output voltage is 9V when M or H level applied to CTRL pin.
11	CTRL	L:BIAS OFF M:BIAS ON H:CD ON
12	CD OUT	Output voltage is 8V when H level applied to CTRL pin.
13	ILM AJ	Adjustment pin for ILM output voltage.
14	ILM OUT	Output voltage is 10V when M or H level applied to CTRL pin.
15	GND	Connected to GND.

4.2 AK4381VT-X (IC481) : D/A converter

• Pin layout



• Block diagram

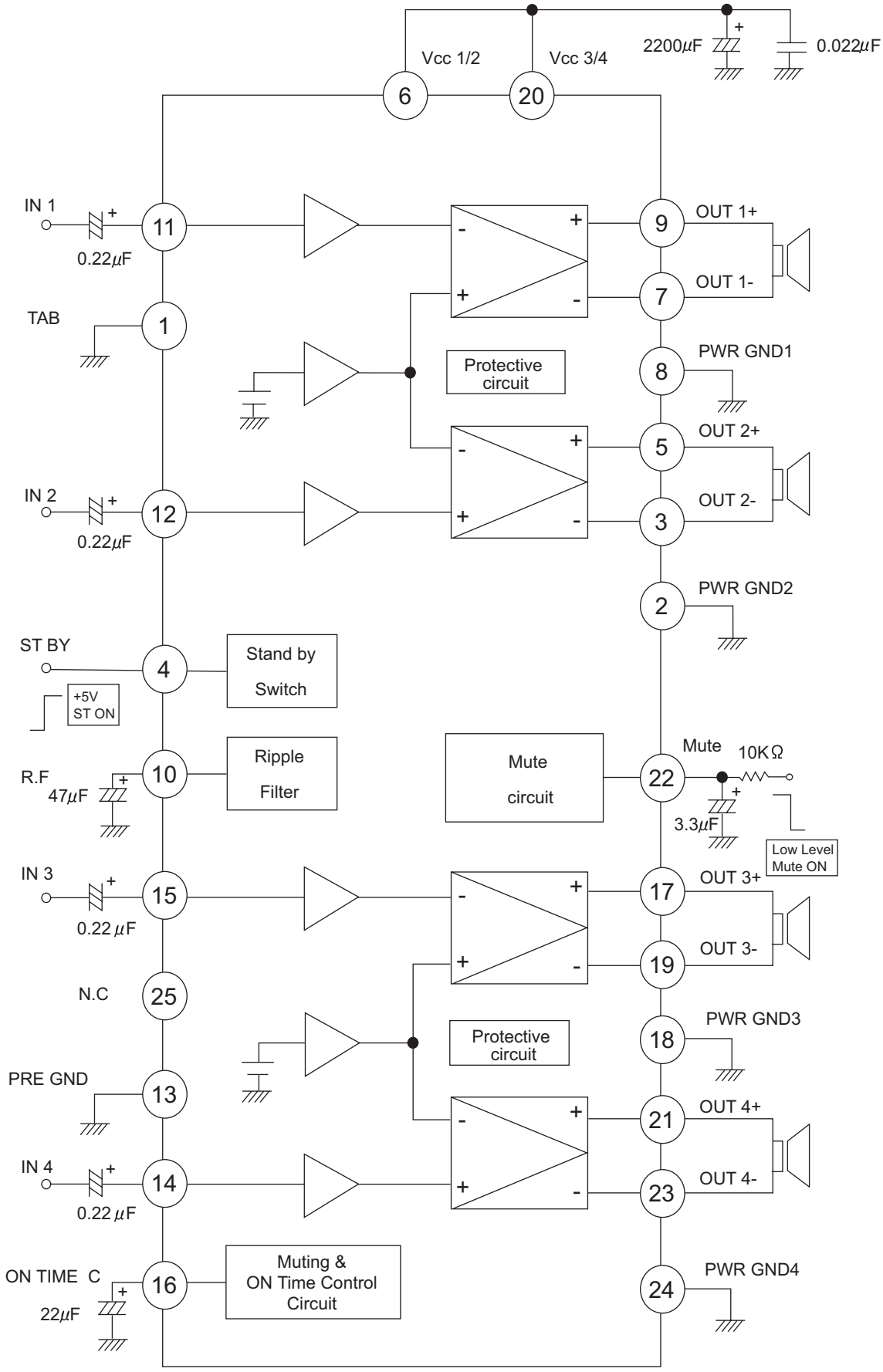


• Pin functions

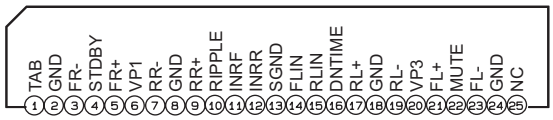
Pin No.	Symbol	I/O	Description
1	MCLK	I	Master clock input terminal
2	BICK	I	Audio serial data clock terminal
3	SDTI	I	Audio serial data input terminal
4	LRCK	I	L/R Clock terminal
5	PDN	I	Power down mode terminal
6	CSN	I	Chip select
7	CCLK	I	Control data input terminal
8	CDTI	I	Control data input terminal
9	AOUTR-	O	Rch negative analog output terminal
10	AOUTR+	O	Rch positive analog output terminal
11	AOUTL-	O	Lch negative analog output terminal
12	AOUTL+	O	Lch positive analog output terminal
13	VSS	-	Connect to ground
14	VDD	-	Power supply terminal
15	DZFR	O	Rch data zero input detection terminal
16	DZFL	O	Lch data zero input detection terminal

4.3 LA4743K (IC941) : Power amp.

• Block diagram



• Pin layout

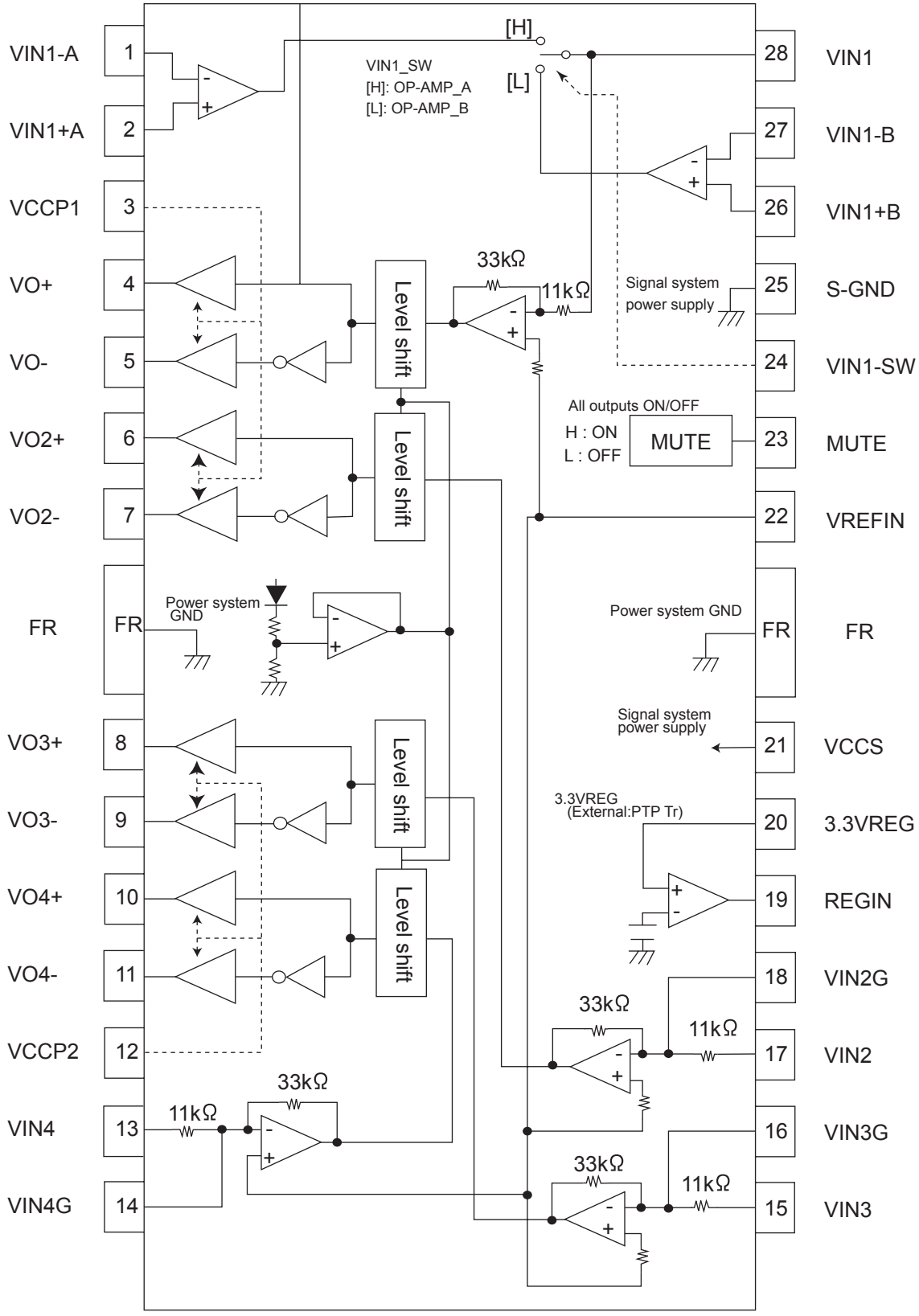


• Pin function

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	TAB	Header of IC	14	FLIN	Front Lch input
2	GND	Power GND	15	RLIN	Rear Lch input
3	FR-	Outpur(-) for front Rch	16	ONTIME	Power on time control
4	STDBY	Stand by input	17	RL+	Output (+) for rear Lch
5	FR+	Output (+) for front Rch	18	GND	Power GND
6	VP1	Power input	19	RL-	Output (-) for rear Lch
7	RR-	Output (-) for rear Rch	20	VP3	Power input
8	GND	Power GND	21	FL+	Output (+) for front
9	RR+	Output (+) for rear Rch	22	MUTE	Muting control input
10	RIPPLE	Ripple filter	23	FL-	Output (-) for front
11	RRIN	Rear Rch input	24	GND	Power GND
12	FRIN	Front Rch input	25	NC	Non connection
13	SGND	Signal GND			

4.4 LA6579H-X (IC681) : 4-Channel bridge driver

• Pin layout & Block diagram

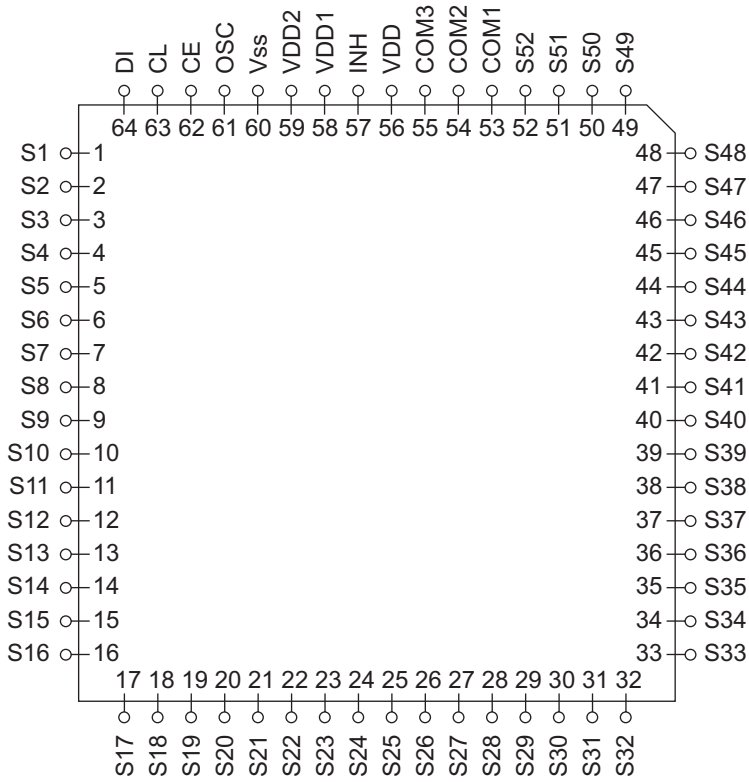


• Pin function

Pin No.	Symbol	Function
1	VIN1-A	CH1 input AMP_inverted input
2	VIN1+A	CH1 input AMP_non-inverted input
3	VCCP1	CH1 and CH2 power stage power supply
4	VO1+	Output pin(+)for channel 1
5	VO1-	CH1 output pin (-) for channel 1
6	VO2+	Output pin(+)for channel 2
7	VO2-	Output pin(-)for channel 2
8	VO3+	Output pin(+)for channel 3
9	VO3-	Output pin(-)for channel 3
10	VO4+	Output pin(+)for channel 4
11	VO4-	Output pin(-)for channel 4
12	VCCP2	CH3 and CH4 power stage powr supply
13	VIN4	Input pin for channel 4
14	VIN4G	Input pin for channel 4(for gain adjustment)
15	VIN3	Input pin for channel 3
16	VIN3G	Input pin for channel 3(for gain adjustment)
17	VIN2	Input pin for channel 2
18	VIN2G	Input pin for channel 2(for gain adjustment)
19	REGIN	External PNP transistor base connection
20	3.3VREG	3.3VREG output pin external PNP transistor,collector connection
21	VCCS	Signal system GND
22	VREFIN	Reference voltage application pin
23	MUTE	Output ON/OFF pin
24	VIN1_SW	CH1 input OP AMP_changeover pin
25	S_GND	Signal system GND
26	VIN1+B	CH1 AMP_B non-inverted input pin
27	VIN1-B	CH1 AMP_B inverted input pin
28	VIN1	CH1 input pin input OP_AMP output pin

4.5 LC75823W (IC601) : LCD driver

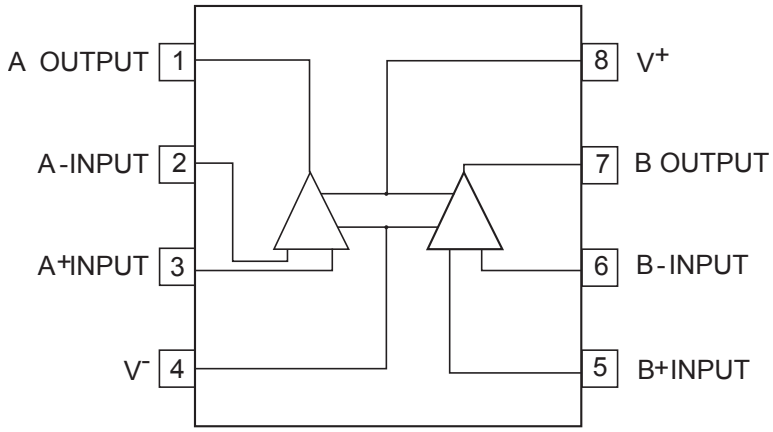
• Pin Layout



• Pin function

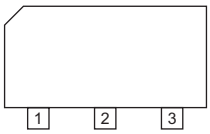
Pin No.	Symbol	I/O	Functions
1 to 52	S1 to S52	O	Segment output pins used to display data transferred by serial data input.
53 to 55	COM1 to COM3	O	Common driver output pins. The frame frequency is given by : t0=(fosc/384)Hz.
56	VDD	--	Power supply connection. Provide a voltage of between 4.5 and 6.0V.
57	$\overline{\text{INH}}$	I	Display turning off input pin. $\overline{\text{INT}}$="L" (Vss) ----- off (S1 to S52, COM1 to COM3="L" $\overline{\text{INT}}$="H" (VDD)----- on Serial data can be transferred in display off mode.
58	VDD1	I	Used for applying the LCD drive 2/3 bias voltage externally. Must be connected to VDD2 when a 1/2 bias drive scheme is used.
59	VDD2	I	Used for applying the LCD drive 1/3 bias voltage externally. Must be connected to VDD1 when a 1/2 bias drive scheme is used.
60	Vss	--	Power supply connection. Connect to GND.
61	OSC	I/O	Oscillator connection. An oscillator circuit is formed by connecting an external resistor and capacitor at this pin.
62	CE	I	Serial data interface connection to the controller. CE : Chip enable
63	CL	I	Serial data interface connection to the controller. CL : Sync clock
64	DI	I	Serial data interface connection to the controller. DI : Transfer data

4.6 NJM4565M-WE (IC581) : CD L.P.F.

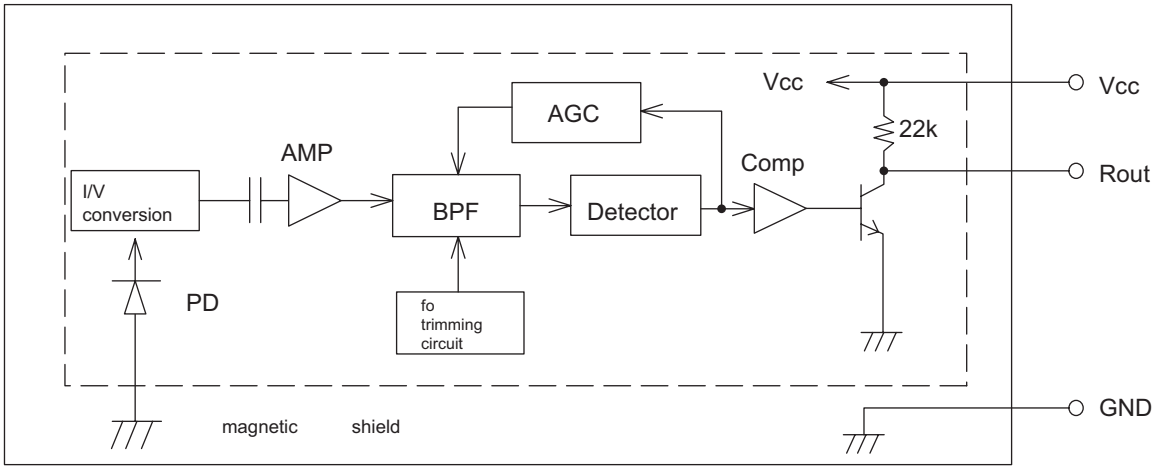


4.7 RPM6938-SV4 (IC602) : Remote control receiver

• Pin diagram

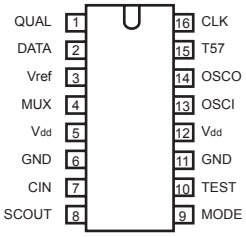


• Block diagram

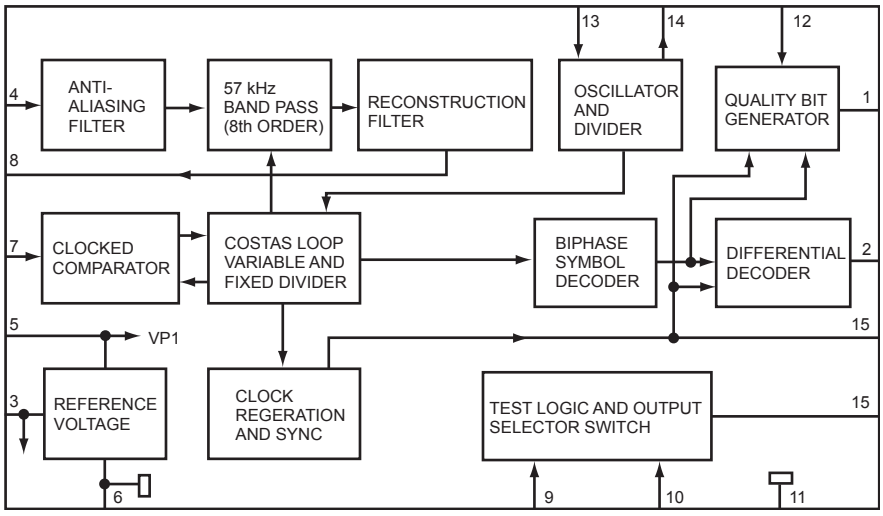


4.8 SAA6579T-X (IC71):RDS detecter

• Pin layout



• Block diagram

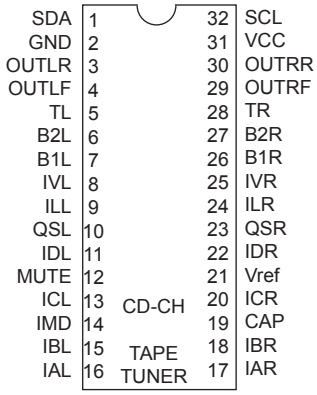


• Pin function

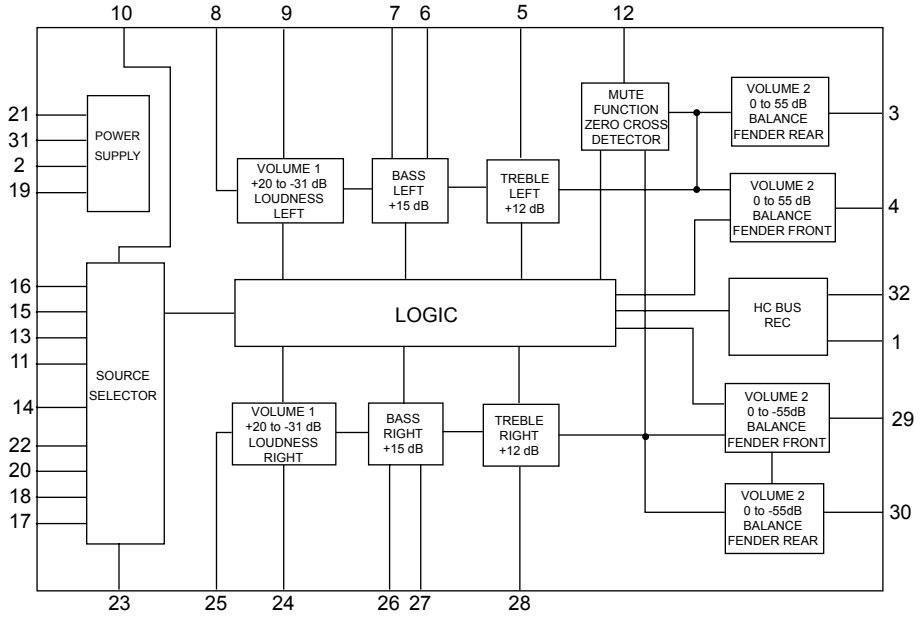
Pin No.	Symbol	Description
1	QUAL	Quality indication output
2	DATA	RDS data output
3	Vref	Reference voltage output (0.5VDDA)
4	MUX	Multiolex signal input
5	Vdd	+5V supply voltage for analog part
6	GND	Ground for analog part (0V)
7	CIN	Sub carrier input to comparator
8	SCOUT	Sub carrier output of reconstruction filter
9	MODE	Oscillator mode / test control input
10	TEST	Test enable input
11	GND	Ground for digital part (0V)
12	Vdd	+5V supply voltage for digital part
13	OSCI	Oscillator input
14	OSCO	Oscillator output
15	T57	57 kHz clock signal output
16	CLK	RDS clock output

4.9 TEA6320T-X (IC161) : E.volume

• Pin layout



• Block diagram


POWER SUPPLY
SOURCE SELECTOR
LOGIC
VOLUME 1 +20 to -31 dB LOUDNESS LEFT
BASS LEFT +15 dB
TREBLE LEFT +12 dB
VOLUME 1 +20 to -31 dB LOUDNESS RIGHT
BASS RIGHT +15 dB
TREBLE RIGHT +12 dB
MUTE FUNCTION ZERO CROSS DETECTOR
VOLUME 2 0 to 55 dB BALANCE FENDER REAR
VOLUME 2 0 to 55 dB BALANCE FENDER FRONT
HC BUS REC
VOLUME 2 0 to -55dB BALANCE FENDER FRONT
VOLUME 2 0 to -55dB BALANCE FENDER REAR
10 8 9 7 6 5 12
21 31 2 19
16 15 13 11 14 22 20 18 17
23 25 24 26 27 28
3 4 32 1 29 30

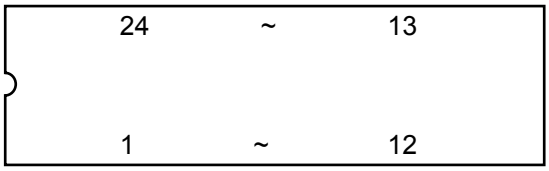
• Pin functions

Pin No.	Symbol	I/O	Functions
1	SDA	I/O	Serial data input/output.
2	GND	-	Ground.
3	OUTLR	O	output left rear.
4	OUTLF	O	output left front.
5	TL	I	Treble control capacitor left channel or input from an external equalizer.
6	B2L	-	Bass control capacitor left channel or output to an external equalizer.
7	B1L	-	Bass control capacitor left channel.
8	IVL	I	Input volume 1. left control part.
9	ILL	I	Input loudness. left control part.
10	QSL	O	Output source selector. left channel.
11	IDL	-	Not used
12	MUTE	-	Not used
13	ICL	I	Input C left source.
14	IMO	-	Not used
15	IBL	I	Input B left source.
16	IAL	I	Input A left source.

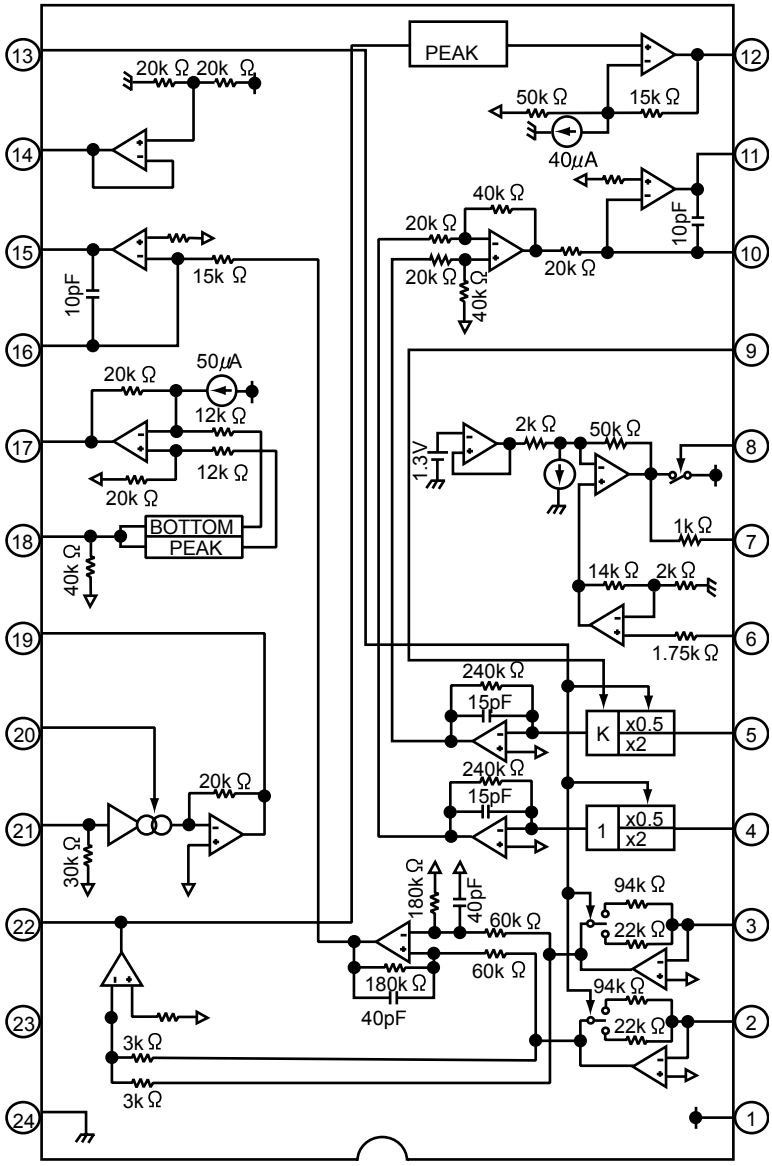
Pin No.	Symbol	I/O	Functions
17	IAR	I	Input A right source.
18	IBR	I	Input B right source.
19	CAP	-	Electronic filtering for supply.
20	ICR	I	Input C right source.
21	Vref	-	Reference voltage (0.5Vcc)
22	IDR	-	Not used
23	QSR	O	Output source selector right channel.
24	ILR	I	Input loudness right channel.
25	IVR	I	Input volume 1. right control part.
26	B1R	-	Bass control capacitor right channel
27	B2R	O	Bass control capacitor right channel or output to an external equalizer.
28	TR	I	Treble control capacitor right channel or input from an external equalizer.
29	OUTRF	O	Output right front.
30	OUTRR	O	Output right rear.
31	Vcc	-	Supply voltage.
32	SCL	I	Serial clock input.

4.10TA2157FN-X (IC501):RF amp

- Terminal layout



- Block diagram



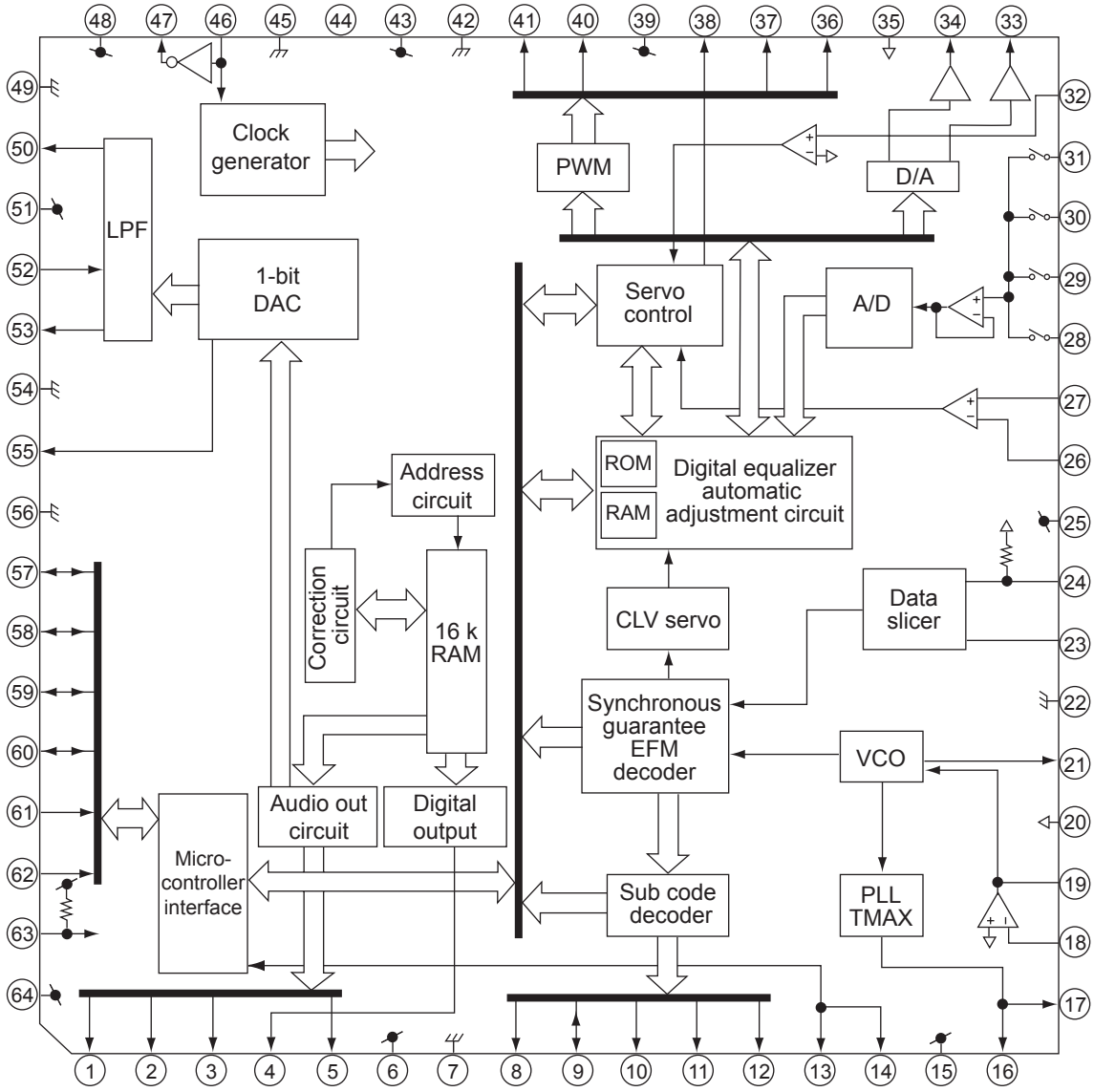
PIN VCTRLPIN	SEL (APC SW)	TEB (TE BAL)	RFGC (AGC Gian)	TEB (TE BAL)
VCC	APC ON	-50%	+12dB	Normal mode (0dB)
HiZ	APC ON	0%	+6dB	Normal mode (0dB)
GND	APC OFF (LDO=H)	50%	0dB	CD-RW mode (+12dB)

• Pin function

<table>
<tr><th>Pin No.</th><th>Symbol</th><th>I/O</th><th>Function</th></tr>
<tr><td>1</td><td>VCC</td><td>-</td><td>3.3V power supply pin</td></tr>
<tr><td>2</td><td>FNI</td><td>I</td><td>Main-beam amp input pin</td></tr>
<tr><td>3</td><td>FPI</td><td>I</td><td>Main-beam amp input pin</td></tr>
<tr><td>4</td><td>TPI</td><td>I</td><td>Sub-beam amp input pin</td></tr>
<tr><td>5</td><td>TNI</td><td>I</td><td>Sub-beam amp input pin</td></tr>
<tr><td>6</td><td>MDI</td><td>I</td><td>Monitor photo diode amp input pin</td></tr>
<tr><td>7</td><td>LDO</td><td>O</td><td>Laser diode amp output pin</td></tr>
<tr><td>8</td><td>SEL</td><td>I</td><td>APC circuit ON/OFF control signal, laser diode (LDO) control signal input
or bottom/peak detection frequency change pin.
<table>
<tr><th>SEL</th><th>APC circuit</th><th>LDO</th></tr>
<tr><td>GND</td><td>OFF</td><td>Connected VCC through 1kΩ resistor</td></tr>
<tr><td>Hiz</td><td>ON</td><td>Control signal output</td></tr>
<tr><td>VCC</td><td>ON</td><td>Control signal output</td></tr>
</table></td></tr>
<tr><td>9</td><td>TEB</td><td>I</td><td>Tracking error balance adjustment signal input pin
Adjusts TE signal balance by eliminating carrier component from PWM signal (3-state output, PWM carrier = 88.2kHz) output from TC94A14F/FA
TEBC pin using RC-LPF and inputting DC.
TEBC input voltage:GND~VCC</td></tr>
<tr><td>10</td><td>TEN</td><td>I</td><td>Tracking error signal generation amp negative-phase input pin</td></tr>
<tr><td>11</td><td>TEO</td><td>O</td><td>Tracking error signal generation amp output pin.
Combining TEO signal RFRP signal with TC94A14F/FA configures tracking search system.</td></tr>
<tr><td>12</td><td>RFDC</td><td>O</td><td>RF signal peak detection output pin</td></tr>
<tr><td>13</td><td>GVSW</td><td>I</td><td>AGC/FE/TE amp gain change pin
<table>
<tr><td>GVSW</td><td>Mode</td></tr>
<tr><td>GND</td><td>CD-RW</td></tr>
<tr><td>Hiz</td><td rowspan="2">Normal</td></tr>
<tr><td>VCC</td></tr>
</table></td></tr>
<tr><td>14</td><td>VRO</td><td>O</td><td>Reference voltage (VRO) output pin
*VRO=1/2VCC When VCC=3.3V</td></tr>
<tr><td>15</td><td>FEO</td><td>O</td><td>Focus error signal generation amp output pin</td></tr>
<tr><td>16</td><td>FEN</td><td>I</td><td>Focus error signal generation amp negative-phase input pin</td></tr>
<tr><td>17</td><td>RFRP</td><td>O</td><td>Signal amp output pin for track count
Combining RFRP signal and TEO signal with TC94A14F/FA configures tracking search system.</td></tr>
<tr><td>18
19
20</td><td>REIS
RFGO
RFGC</td><td>I
O
I</td><td>
RF signal amplitude adjustment amp output pin
RF amplitude adjustment control signal input pin
Adjusts RF signal amplitude by eliminating carrier component from PWM signal (3-state output, PWM carrier=88.2kHz)output fromTC94A14F/14FA *RFGC pin using RC-LPF and inputting DC.
*RFGC input voltage:GND~VCC</td></tr>
<tr><td>21</td><td>AGCIN</td><td>I</td><td>RF signal amplitude adjustment amp input pin</td></tr>
<tr><td>22</td><td>RFO</td><td>O</td><td>RF signal generation amp output pin</td></tr>
<tr><td>23</td><td>RFI</td><td>I</td><td>RF signal generation amp input pin</td></tr>
<tr><td>24</td><td>GND</td><td>-</td><td>GND pin</td></tr>
</table>

4.11 TC94A14FA (IC621) : DSP & DAC

• Terminal layout & block daiagram



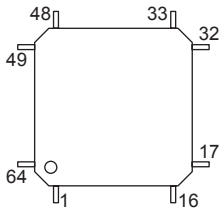
• Pin function

Pin No	Symbol	I/O	Descroption
1	BCK	O	Bit clock output pin.32fs48fsor 64fs selectable by command.
2	LRCK	O	L/R channel clock output pin."L" for L channel and "H" for R channel. Output polarity can be inverted by command.
3	AOUT	O	Audio data output pin. MSB-first or LSB-first selectable by command.
4	DOUT	O	Digital data output pin.Outputs up to double-speed playback.
5	IPF	O	Correction flag output pin. When set to "H" AOUT output cannot be corrected by C2 correction processing.
6	V_{DD3}	-	Digital 3.3V power supply voltage pin.
7	V_{SS3}	-	Digital GND pin.
8	SBOK	O	Subcode Q data CRCC result output pin. "H" level when result is OK.
9	CLCK	O	Subcode P-W data read I/O pin. I/O polarity selectable by command.
10	DATA	O	Subcode P-W data output pin.
11	SFSY	O	Playback frame sync signal output pin.
12	SBSY	O	Subcode block sync signal output pin. "H" level at S1 when subcode sync is detected.
13	HSO	I/O	General-purpose input / output pins.Input port at reset.
14	UHSO		
15	PV_{DD3}	-	PLL-only 3.3V power supply voltage pin.
16	PDO	O	EFM and PLCK phase difference signal output pin.

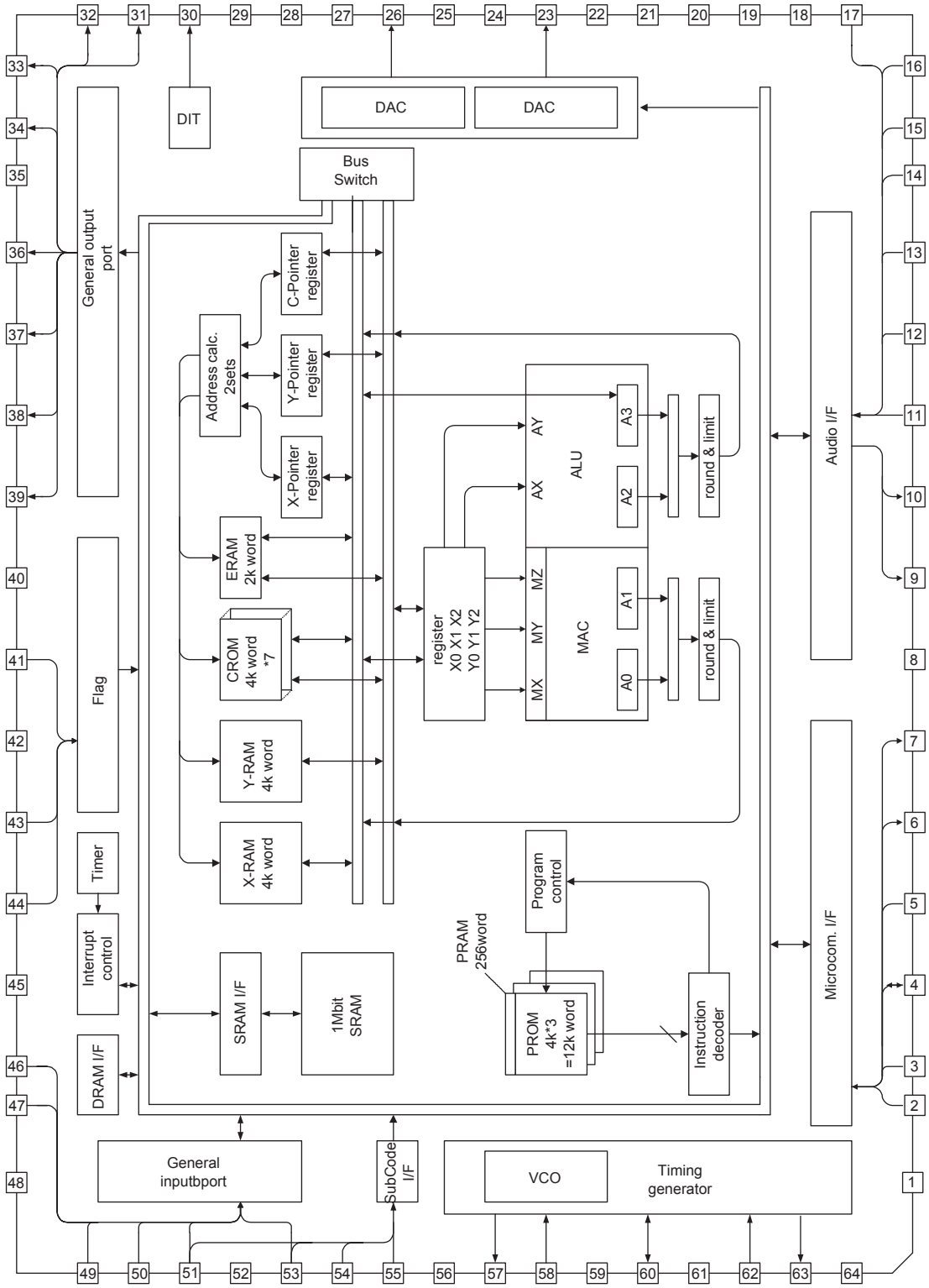
Pin No	Symbol	I/O	Descroption
17	TMAX	O	TMAX detection result output pin. TMAX Detection Result / TMAX Output Longer than fixed period / "PV_{DD3}" Within fixed period / "HiZ" Shorter than fixed period / "AV_{SS3}"
18	LPFN	I	Inverted input pin for PLL LPF amp.
19	LPFO	O	Output pin for PLL LPF amp.
20	PVREF	-	PLL-only VREF pin.
21	VCOF	O	VCO filter pin.
22	AV_{SS3}	-	Analog GND pin.
23	SLCO	O	DAC output pin for data slice level generation.
24	RFI	I	RF signal input pin. Zin selectable by command.
25	AV_{DD3}	-	Analog 3.3V power supply voltage pin.
26	RFCT	I	RFRP signal center level input pin.
27	RFZI	I	RFRP signal zero-cross input pin.
28	RFRP	I	RF ripple signal input pin.
29	FEI	I	Focus error signal input pin.
30	SBAD	I	Sub-beam adder signal input pin.
31	TEI	I	Tracking error input pin. Inputs when tracking servo is on.
32	TEZI	I	Tracking error signal zero-cross input pin.
33	FOO	O	Focus equalizer output pin.
34	TRO	O	Tracking equalizer output pin.
35	VREF	-	Analog reference power supply voltage pin.
36	RFGC	O	RF amplitude adjustment control signal output pin.
37	TEBC	O	Tracking balance control signal output pin.
38	SEL	O	APC circuit ON/OFF signal output pin. At laser on, high impedance with UHS="L", H output with UHS="H".
39	AV_{DD3}	-	Analog 3.3V power supply voltage pin.
40	FMO	O	Feed equalizer output pin.
41	DMO	O	Disc equalizer output pin.
42	V_{SS3}	-	Digital GND pin.
43	V_{DD3}	-	Digital 3.3V power supply voltage pin.
44	TESIN	I	Test input pin. Normally, fixed to "L".
45	XV_{SS3}	-	System clock oscillator GND pin.
46	XI	I	System clock oscillator input pin.
47	XO	O	System clock oscillator output pin.
48	XV_{DD3}	-	System clock oscillator 3.3V power supply voltage pin.
49	$DV_{SS3}R$	-	DA converter GND pin.
50	RO	O	R-channel data forward output pin.
51	DV_{DD3}	-	DA converter 3.3V power supply pin.
52	DVR	-	Reference voltage pin.
53	LO	O	L-channel data forward output pin.
54	$DV_{SS3}L$	-	DA converter GND pin.
55	ZDET	O	1 bit DA converter zero detection flag output pin.
56	V_{SS5}	-	Microcontroller interface GND pin.
57	BUS0	I/O	Microcontroller interface data I/O pins.
58	BUS1		
59	BUS2		
60	BUS3		
61	BUCK	I	Microcontroller interface clock input pin.
62	/CCE	I	Microcontroller interface chip enable signal input pin.At "L", BUS0 to BUS3 are active.
63	/RST	I	Reset signal input pin. At reset, "L".
64	V_{DD5}	-	Microcontroller interface 5V power supply pin.

4.12 TC94A20F-011 (IC401) : CD-ROM decoder + MP3 decoder with DAC and SRAM

- Pin layout



- Block diagram

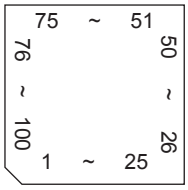


• Pin functions

Pin No	Symbol	I/O	Functions
1	/RESET	I	Hard reset input H:normal L:reset
2	MiMD	I	Micon I/F mode select input
3	/MiCS	I	Micon I/F chip select input
4	/MiLP	I	Micon I/F latch palus input
5	MiDio	I/O	Micon I/F data input/output
6	/MiCK	I	Micon I/F clock input
7	MiACK	O	Micon I/F acknowledge output
8	VDDT	-	Power supply for digital (3.3V)
9	SDo	O	Data output
10	BCKo	O	Bit output
11	LRCKo	O	LR clock output
12	SDiO	I	Data input 0
13	BCKiA	I	Bit clock input A
14	LRCKiA	I	LR clock input A
15	SDiL	I	Data input terminal 1
16	BCKiB	I	Bit clock input terminal B
17	LRCKiB	I	LR clock input terminal B
18	VDD	-	Power supply for digital (2.5V)
19	STANBY	I	Standby mode control input H:STBY L:normal
20	VSS	-	GND for digital
21	VSSL	-	GND for DAC Lch
22	VRAL	-	Reference voltage for DAC Lch
23	LO	O	DAC Lch output
24,25	VDAL,VDAR	-	Power supply for DAC Lch/Power supply for DAC Rch (2.5V)
26	RO	O	DAC Rch output
27	VRAR	-	Reference voltage for DAC Rch
28	VSSR	-	GND for DAC R ch
29	TESTP	I	Test terminal H:test mode L:normal
30	TXO	O	SPDIF output
31~34	Po0~Po3	O	General purpose output 0 ~ 3
35	VDDT	-	Power supply for digital (3.3V)
36~38	Po4~Po6	O	General purpose output 4 ~ 6
39	REQ	O	REC terminal
40	VSS	-	GND for digital
41	IRO	I/O	External interrupt input
42	VDDM	-	Internal 1Mbit SRAM power supply (2.5V)
43,44	Fi0,Fi1	I	Flug input 0,1
45	VSSM	-	GND for internal 1Mbit SRAM
46,47	Pi0,Pi1	I	General ourpose input 01
48	VSS	-	GND for digital
49,50	Pi2,Pi3	I	General purpose input 23
51	Pi4/CLCL	I	General purpose input 4/SUBQ I/F clock inputoutput
52	VDD	-	Power supply for digital (2.5V)
53	Pi5/DATA	I	General purpose input 5/SUBQ I/F data input
54	TSTiN/SFSY	I	Test terminal/SUBQ I/F flame sync input
55	Fi2/SBSY	I	Flug input 2/SUBQ I/F block sync input
56	VSSP	-	GND for VCO
57	Pdo	O	PLL phase error detection signal output
58	Vcoi	I	VCO control voltage input
59	VDDP	-	Power supply for VCO (2.5V)
60	CKo/CKi	I/O	External clock input/Clock output terminal
61	VDDX	-	Power supply for X'tal oscillator (2.5V)
62,63	Xi,Xo	I,O	Oscillator connection terminal for input/output
64	VSSX	-	GND for oscillator

4.13 UPD178078GF-598 (IC701) : CPU

• Pin Layout



• Pin function

Pin No.	Symbol	I/O	Function
1	STEARING REMOTE	I	ROMOTE CONNECTER
2 to 8	NO USE	O	NC
9	VOL-DA	I/O	VOL IC
10	VOL-CLK	O	VOL IC
11	NO USE	O	NC
12	LCD-DA	O	LCD DRIVER
13	LCD-CLK	O	LCD DRIVER
14 to 15	NO USE	O	NC
16	LCD-CE	O	LCD DRIVER
17	SW2	I	CD MECHA
18	PSW	I	CD MECHA
19	LED RED	O	LED
20	LED BLUE	O	LED
21	VOL-1	I	ENCODER
22	VOL-2	I	ENCODER
23	KEY0	I	KEY
24	KEY1	I	KEY
25	KEY2	I	KEY
26	LEVEL	I	LEVEL DET.
27	AVDD	-	D-VDD
28	SM	I	T.PACK
29	SQ	I	SQ CIR
30	DOOR SW	I	DOOR SW
31	NO USE	I	P.D.
32	AVSS	-	D-GND
33	REGCPU	-	E.CAP
34	VDD	-	D-VDD
35	REGOSC	-	E.CAP
36	X2	-	X'TAL
37	X1	I	
38	GND0	-	D-GND
39	SD/ST	I	T.PACK
40	GND2	-	T-GND
41	NO USE	O	NC
42	IFC	I	T.PACK
43	VDDPLL	-	D-VDD
44	OSC INPUT	I	T.PACK
45	NO USE	I	NC
46	GNDPLL	-	D-GND

Pin No.	Symbol	I/O	Function
47	AM E.OUT	O	AM LPF
48	FM E,OUT	O	FM LPF
49	IC(VPP)	-	P.D.
50	RESET	I	RESET CIR
51	SW1	I	CD MECHA SW
52	REMOCON	I	REMOCON INPUT
53	NO USE	O	OUTPUT L
54	TEL MUTING	I	TEL MUTING INPUT
55	POWER	O	POWER CONT
56	CD-ON	O	CD POWER CONT.
57	MUTING	O	MUTING CONT
58	STAGE1	I	SETTING FOR DESTINATION
59	BUZZER	O	BUZZER OUTPUT
60 to 67	NO USE	O	OUTPUT L
68	CD-RW	O	RF gain control L=CD-RW H=CD-DA
69	LM	O	DISC LOADING AND EJECTING CONT
70	MOTOR SEL	O	MOTOR SELECT
71	BUCK	O	clock output for CD LSI
72	CCE	O	CE output for CD LSI
73	BUS0	I/O	data output and input 0 for CD LSI
74	BUS1	I/O	data output and input 1 for CD LSI
75	BUS2	I/O	data output and input 2 for CD LSI
76	BUS3	I/O	data output and input 3 for CD LSI
77	RST	O	CD LSI COMMUNICATION LINE
78	PS1	I	ACC DETECTION INPUT
79	PS2	I	MEMORY DETECTION
80	DETACH	I	DETACH DETECTION
81	RDS SCK	I	RDS clock input
82	GND1	-	-
83	MONO	O	MONO BY FORCE
84	SEEK/STOP	O	SWITCHING SEEK & STOP
85	FM/AM	O	BAND SW
86	AF CK	O	AF check output
87	RDS DA	I	RDS data input
88	DIMMER IN	I	DIMMER IN
89	NO USE	O	OUTPUT L
90	IFC CONT	O	IF OUT CONTROL
91	UNLOCK	O	PLL UNLOCK MONITOR OUTPUT
92 to 97	NO USE	O	OUTPUT L
98	DIMMER OUT	O	DIMMER CTRL OUT
99	VDDPORT	-	-
100	GNDPORT	-	-

JVC

VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY MOBILE ENTERTAINMENT CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.49820)

Printed in Japan
200304WPC

JVC

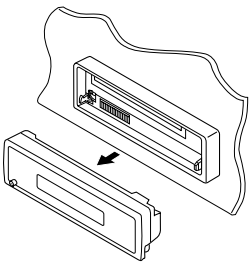
SCHEMATIC DIAGRAMS

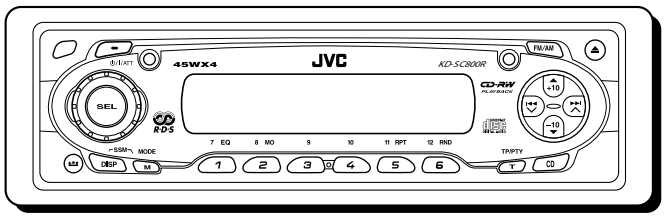
CD RECEIVER

KD-SC800R

CD-ROM No.SML200304

Area Suffix
E ---------- Continental Europe
EX ---------- Central Europe





COMPACT disc DIGITAL AUDIO

R·D·S

CD-RW PLAYBACK

Contents

Block diagram ---------- 2-1
Standard schematic diagrams ---------- 2-2
Printed circuit boards ---------- 2-5 to 7

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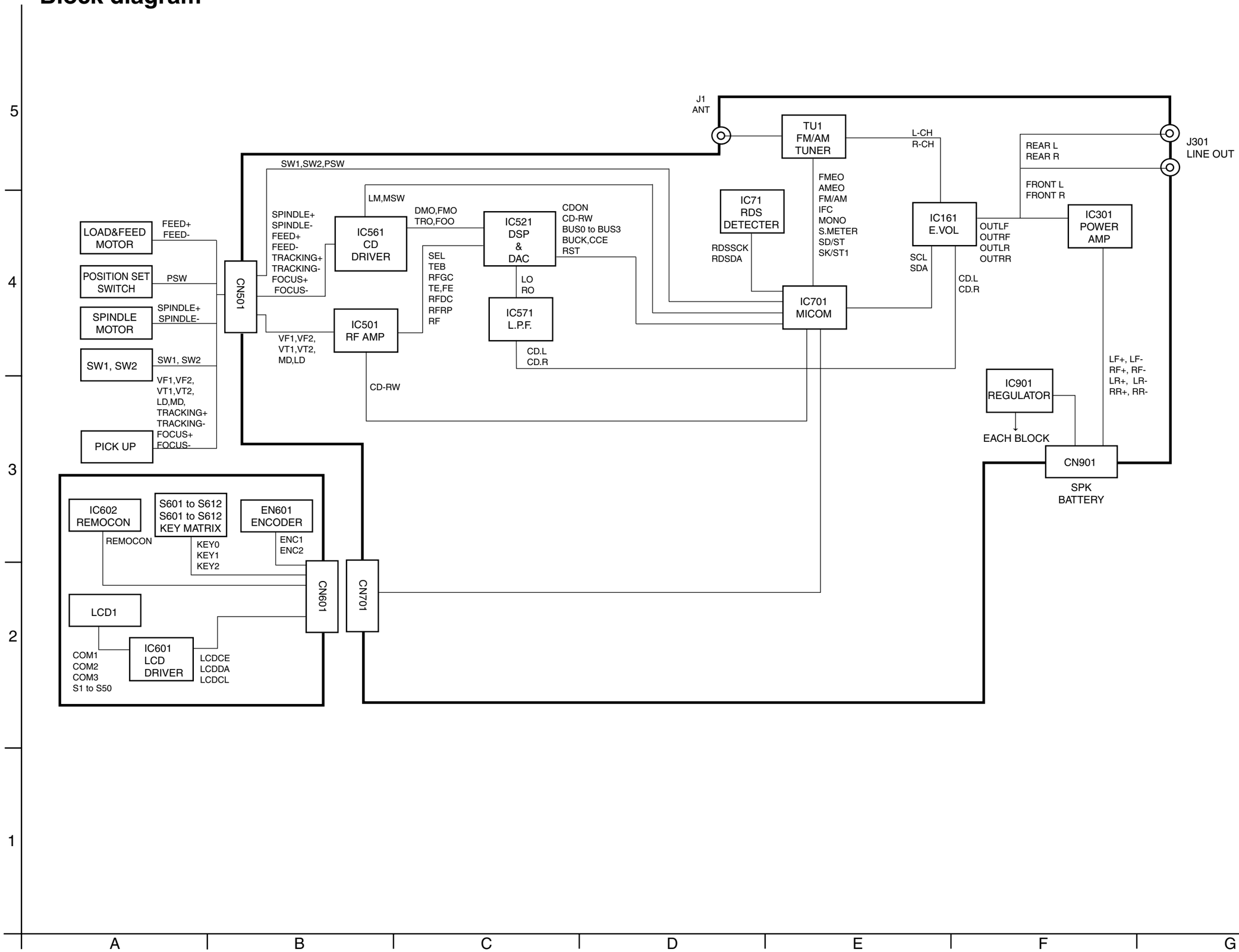
No.49820SCH
2003/04

Safety precaution

⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

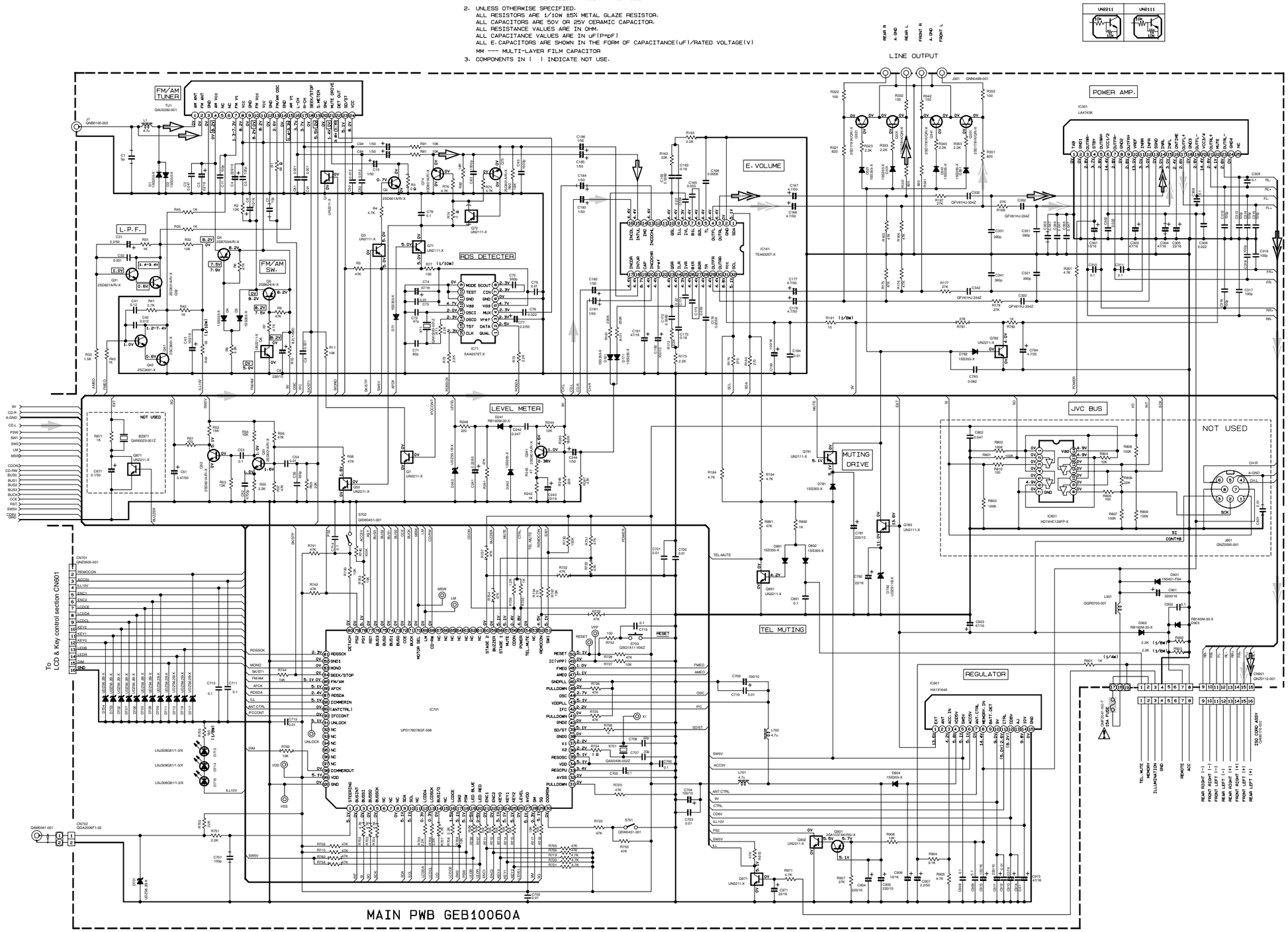
Block diagram



Standard schematic diagrams

■ Main amplifier section

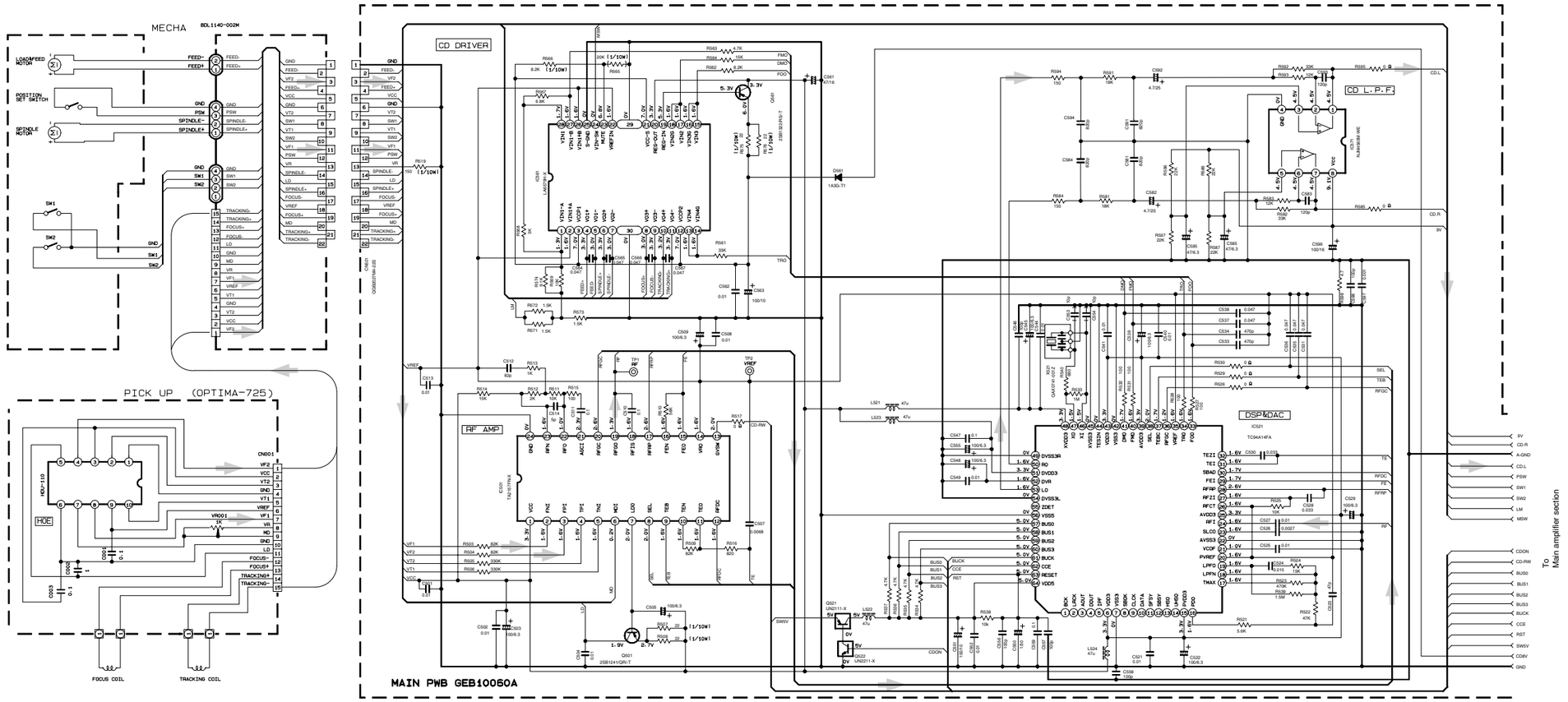
NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION---FM MODE. ▭ AM MODE. ( )CD MODE.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(v)
   MM ---- MULTI-LAYER FILM CAPACITOR
3. COMPONENTS IN ( ) INDICATE NOT USE.



Tuner signal
CD signal
Front signal
Rear signal

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ CD servo control section



	47K / 47K	UN2213
	10K / 10K	UN2211
	10K / 10K	UN2111

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION --- CD MODE.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
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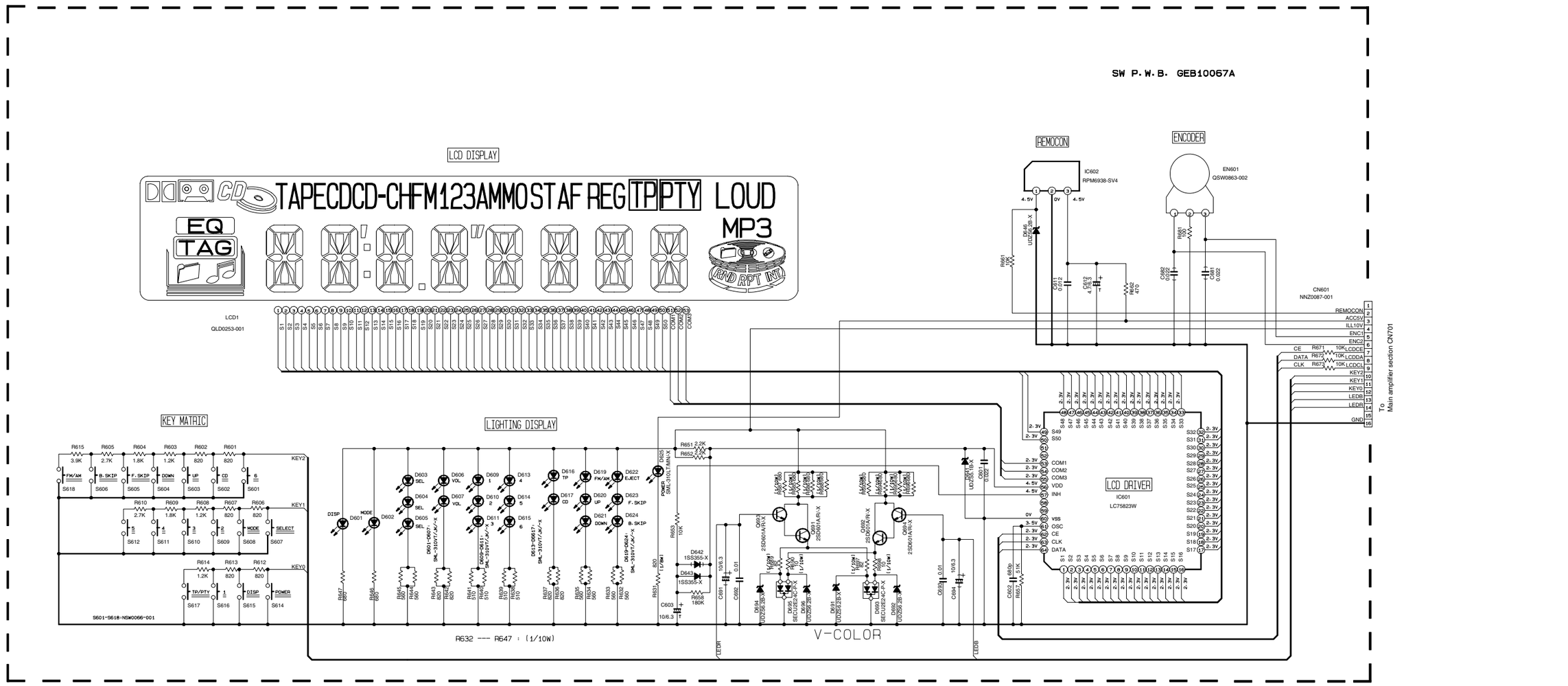
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)

■ LCD & Key control section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.

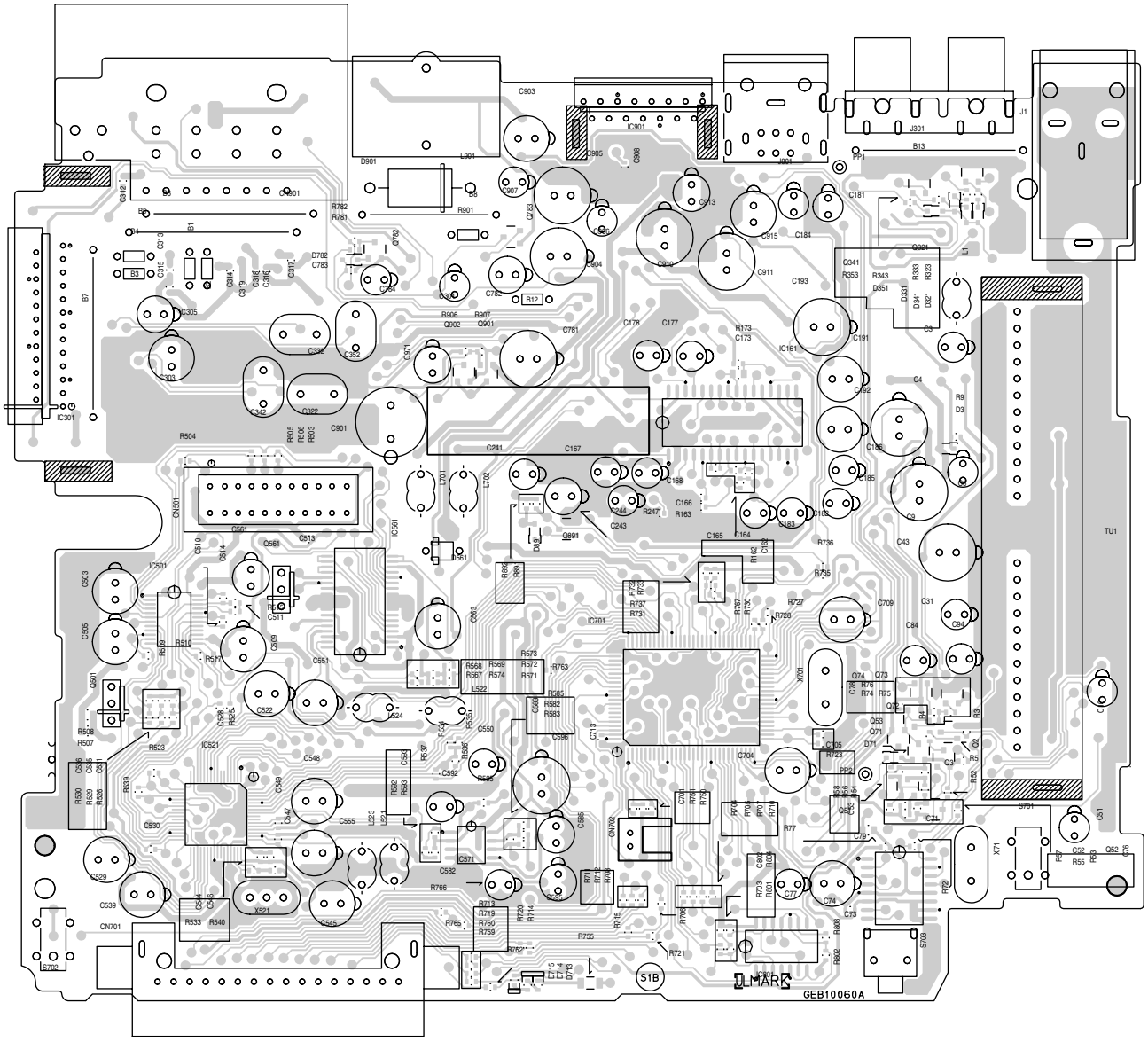
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTOR ARE 1/16W ±5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN UF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
   T --- TANTAL CAPACITOR.

3. COMPONENTS IN ( ) INDICATE NOT USE.

Printed circuit boards

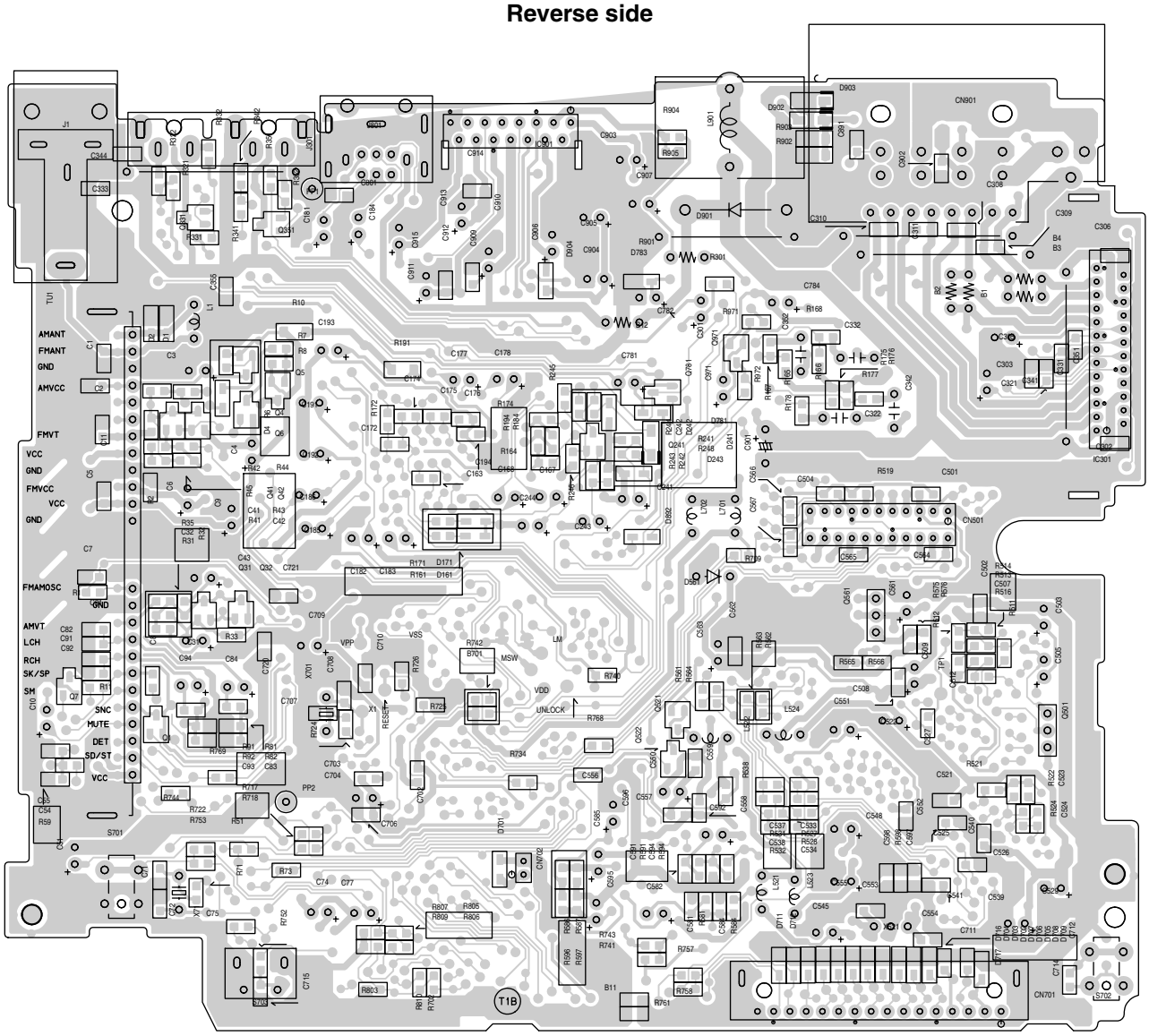
■ Main board

Forward side



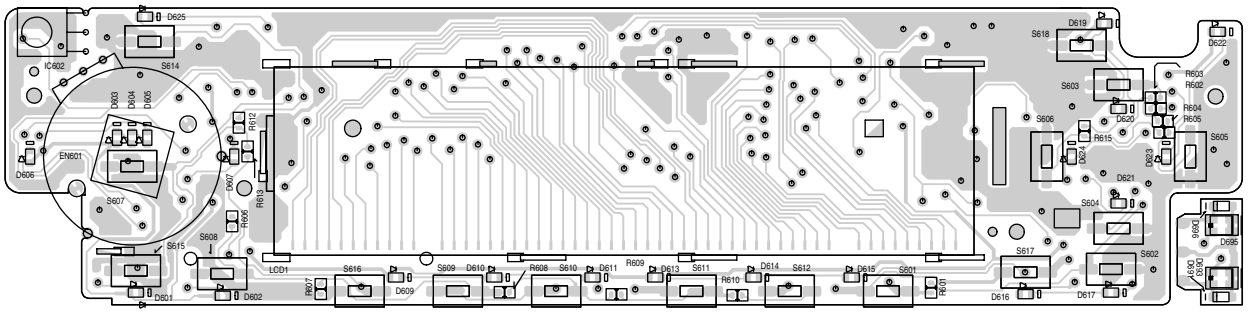
■ Main board

Reverse side

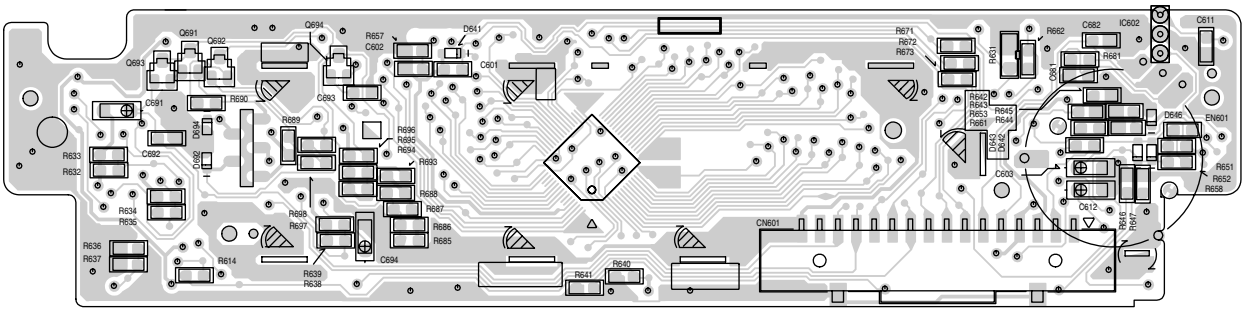


■ Front board

Forward side



Reverse side



KD-SC800R

JVC

VICTOR COMPANY OF JAPAN, LIMITED
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(No.49820SCH)

Printed in Japan
2003/04

PARTS LIST

[KD-SC800R]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

E---------- Continental Europe

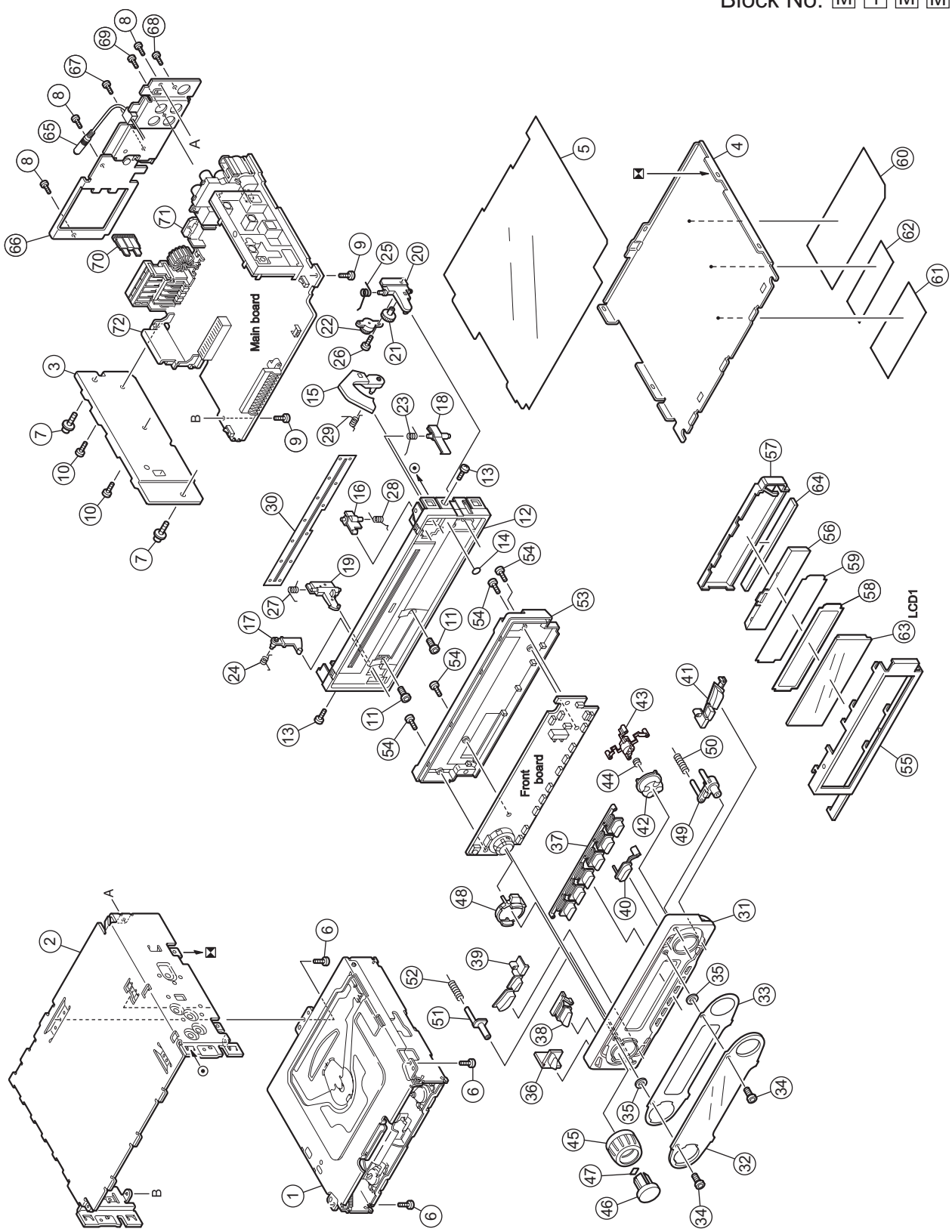
EX ---------- Central Europe

- Contents -

Exploded view of general assembly and parts list (Block No.M1) ---------- 3-2
CD mechanism assembly and parts list (Block No.MB) ---------- 3-4
Electrical parts list (Block No.01~02) ---------- 3-6
Packing materials and accessories parts list (Block No.M3,M5) ---------- 3-12

Exploded view of general assembly and parts list

Block No. M 1 M M



General assembly

Block No. [M][1][M][M]

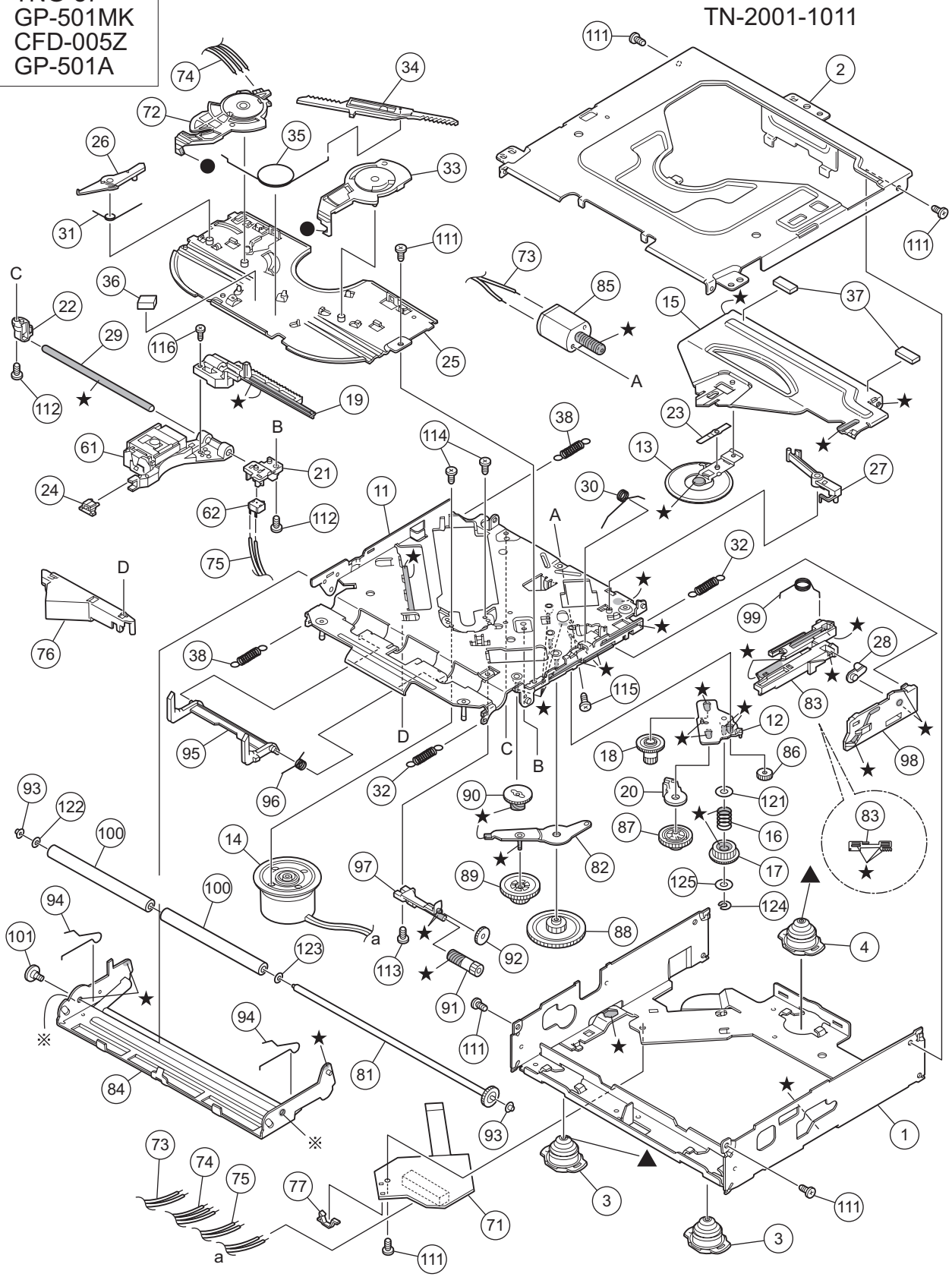
⚠ Symbol No.	Part No.	Part Name	Description	Local
1	----------	CD MECHA		
2	GE10043-210A	TOP CHASSIS		
3	GE30568-006A	HEAT SINK		
4	GE30393-002A	BOTTOM COVER		
5	FSMA3005-001	INSULATOR		
6	QYSDST2604Z	SCREW	2.6mm x 4mm(x3)	
7	FSKZ4005-001	SCREW	(x2)	
8	QYSDST2604Z	SCREW	2.6mm x 4mm(x3)	
9	QYSDST2606Z	SCREW	2.6mm x 6mm(x2)	
10	QYSDST2612Z	SCREW	2.6mm x 12mm	SC800RE
10	QYSDST2612Z	SCREW	2.6mm x 12mm(x2)	SC800REX
11	QYSDSF2006M	SCREW	2mm x 6mm(x2)	
12	GE30823-001A	F. CHASSIS ASSY		
13	QYSDST2004M	MINI SCREW	2mm x 4mm(x2)	
14	FSYH4036-046	SHEET		
15	GE30827-001A	OPEN LEVER		
16	GE30824-002A	LOCK LEVER(O.L)		
17	GE30826-001A	RELEASE LEVER		
18	GE30829-001A	LOCK LEVER(TOP)		
19	GE30825-001A	LOCK LEVER(L)		
20	GE30828-001A	LOCK LEVER(R)		
21	GE40154-001A	GEAR		
22	QZW0108-002	OIL DAMPER		
23	FSKW4012-002	T.SPRING		
24	VKW5264-005	T.SPRING		
25	GE40155-001A	T.SPRING		
26	QYSDSF2006M	SCREW	2mm x 6mm	
27	VKW5263-002	T.SPRING		
28	GE40157-001A	T.SPRING		
29	GE40153-001A	T.SPRING		
30	GE40156-001A	BLIND		
31	GE10059-002A	FRONT PANEL		
32	GE20141-002A	FINDER LID		
33	GE20142-008A	FINDER PLATE		
34	GE40168-001A	SPECIAL SCREW	(x2)	
35	GE40165-002A	SHEET	(x2)	
36	GE40163-002A	REMOTE LENS		
37	GE20143-001A	PRESET BUTTON		
38	GE30810-001A	POWER BUTTON		
39	GE30915-001A	PUSH BUTTON (L)		
40	GE30813-001A	D.FUNC BTN UP		
41	GE30916-002A	D.FUNC BTN DOWN		
42	GE30818-001A	NAVI BUTTON		
43	GE30819-001A	NAVI BASE		
44	GE40127-002A	COMP SPRING		
45	GE30815-002A	VOLUME KNOB		
46	GE30816-002A	SEL BUTTON		
47	FSYH4036-053	SHEET		
48	GE30817-002A	RIM LENS		
49	GE30820-001A	EJECT BUTTON		
50	VKW3001-330	COMP SPRING		
51	GE30812-001A	DETACH BUTTON		
52	VKW3001-330	COMP SPRING		
53	GE10060-002A	REAR COVER		
54	VKZ4777-001	MINI SCREW	(x4)	
55	GE30821-001A	LCD CASE		
56	GE30805-001A	LCD LENS		
57	GE30806-001A	LENSCASE		
58	GE40150-004A	LIGHTING SHEET		
59	GE40150-006A	LIGHTING SHEET		
60	GE30771-001A	NAME PLATE		
61	E70891-001	CLASS 1 LABEL		
62	LV41843-001A	LASER CAUTION		
63	QLD0253-001	LCD MODULE		
64	QNZ0442-001	LCD CONNECTOR		
65	QAM0461-001	STEERING ROMOTE		
66	GE30912-007A	REAR BRACKET		
67	QYSDST2606Z	SCREW	2.6mm x 6mm	
68	QYSDST2606Z	SCREW	2.6mm x 6mm	
69	QYSDSF2606Z	SCREW	2.6mm x 6mm	
⚠ 70	QMFZ047-150-T	FUSE	15A	
71	GE40124-001A	REG BRACKET		
72	GE40136-001A	IC BRACKET		

CD mechanism assembly and parts list

Grease
- ★ TNG-87
- ※ GP-501MK
- ● CFD-005Z
- ▲ GP-501A

Block No. M B M M

TN-2001-1011



CD mechanism

Block No. [M][B][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
1	30320101T	FRAME		
2	30320102T	TOP COVER		
3	30320115T	DANPER F		
4	30320116T	DANPER R		
11	303205505T	CHASSIS RIVET		
12	303205503T	CHANGE P. RVT A		
13	303205301T	CLAMPER ASS'Y		
14	303205304T	SPINDLE MOTOR A		
15	30320502T	CLAMPER ARM		
16	30320503T	CHANGE GEAR SPG		
17	30320505T	CHANGE GEAR 2		
18	30320506T	FEED GEAR		
19	30320507T	FEED RACK		
20	30320509T	CHANGE LOCK RAR		
21	30320510T	FEED SW HOLDER		
22	30320511T	PU SHAFT HOLDER		
23	30320513T	CLAMPER SUB SPG		
24	30320514T	FD SUB HOLDER		
25	30320518T	TOP PLATE		
26	30320519T	SELECT LOCK ARM		
27	30320520T	TRIGGER ARM		
28	30320521T	SLIDE HOOK		
29	30320522T	PU SHAFT		
30	30320525T	CLAMPER ARM SPG		
31	30320526T	SELECT L ARM SP		
32	30320538T	SUSPENSION SP R		
33	30320529T	SELECT ARM R		
34	30320530T	LINK PLATE		
35	30320531T	LINK PLATE SPG		
36	30320523T	CUSHION F		
37	30320524T	CUSHION R		
38	30320539T	SUSPENSION SP L		
61	69011614T	PICKUP OPT-725		
62	64180406T	DET SW ESE22		
71	303210301T	CONN PWB ASS'Y		
72	30321002T	MODE SW		
73	30321003T	LOAD MOTOR WIRE		
74	30321005T	MODE SW WIRE		
75	30321009T	SL WIRE		
76	30321011T	WIRE HOLDER		
77	19501403T	WIRE CLUMPER		
81	303211301T	ROLLER SHAFT AS		
82	303211501T	L GEAR PLATE RV		
83	303211302T	LOADING PLATE A		
84	303211502T	LOCK ARM RV ASS		
85	303211303T	L/F MOTOR ASS'Y		
86	30321101T	LOADING GEAR 1		
87	30321102T	LOADING GEAR 2		
88	30321103T	LOADING GEAR 3		
89	30321104T	LOADING GEAR 4		
90	30321105T	LOADING GEAR 5		
91	30321106T	LOADING GEAR 6		
92	30321107T	LOADING GEAR 7		
93	30321111T	ROLLER GUIDE		
94	30321114T	ROLLER GUIDE SP		
95	30321116T	DISC STOPPER AR		
96	30321117T	DISC ST ARM SPG		
97	30321118T	LD GEAR BRACKET		
98	30321125T	L SIDE PLATE		
99	30321131T	LOAD PLATE SPG		
100	30321133T	LDG ROLLER		
101	18211223T	COLLAR SCREW		
111	9P0420031T	SCREW		
112	9P0420041T	TAP.SCREW		
113	9B0320041T	SCREW		
114	9C0117183T	SCREW		
115	9C0120203T	SCREW		
116	9C0317503T	SCREW		
121	9W0130170T	PW 3.5X8X0.3		
122	9W0513060T	HL WASHER		
123	9W0710070T	L WASHER		
124	9E0100152T	E RING		
125	9W0113020T	PW 2.1X4X0.13		

Electrical parts list

Main board

Block No. [0][1][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC71	SAA6579T-X	IC		
IC161	TEA6320T-X	IC		
IC301	LA4743K	POWER IC		
IC501	TA2157FN-X	RF AMP IC		
IC521	TC94A14FA	CD LSI IC		
IC561	LA6579H-X	BTL DRIVER IC		
IC571	NJM4565M-WE	IC		
IC701	UPD178078GF-598	MICON IC		
IC901	HA13164A	IC		
Q1	UN2211-X	TRANSISTOR		
Q2	2SD601A/R/-X	TRANSISTOR		
Q3	UN2111-X	TRANSISTOR		
Q4	2SB709A/R/-X	TRANSISTOR		
Q5	2SB624/4/-X	TRANSISTOR		
Q6	UN2211-X	TRANSISTOR		
Q7	UN2211-X	TRANSISTOR		
Q31	2SD601A/R/-X	TRANSISTOR		
Q32	2SD601A/R/-X	TRANSISTOR		
Q41	2SC3661-X	TRANSISTOR		
Q42	2SC3661-X	TRANSISTOR		
Q51	2SD601A/R/-X	TRANSISTOR		
Q52	2SD601A/R/-X	TRANSISTOR		
Q53	UN2211-X	TRANSISTOR		
Q71	UN2111-X	TRANSISTOR		
Q73	2SD601A/R/-X	TRANSISTOR		
Q74	2SD601A/R/-X	TRANSISTOR		
Q241	2SD601A/R/-X	TRANSISTOR		
Q321	2SD1781K/QR/-X	TRANSISTOR		
Q331	2SD1781K/QR/-X	TRANSISTOR		
Q341	2SD1781K/QR/-X	TRANSISTOR		
Q351	2SD1781K/QR/-X	TRANSISTOR		
Q501	2SB1241/QR/-T	TRANSISTOR		
Q521	UN2111-X	TRANSISTOR		
Q522	UN2211-X	TRANSISTOR		
Q561	2SB1322/RS/-T	TRANSISTOR		
Q781	UN2111-X	TRANSISTOR		
Q782	UN2211-X	TRANSISTOR		
Q783	UN2111-X	TRANSISTOR		
Q891	UN2211-X	TRANSISTOR		
Q901	2SA1037AK/RS/-X	CHIP TR.C.M		
Q902	UN2211-X	TRANSISTOR		
Q971	UN2211-X	TRANSISTOR		
D1	1SS355-X	SI DIODE		
D2	1SS355-X	SI DIODE		
D3	1SS355-X	SI DIODE		
D4	1SS355-X	SI DIODE		
D71	1SS355-X	SI DIODE		
D161	1SS355-X	SI DIODE		
D171	1SS355-X	SI DIODE		
D241	RB160M-30-X	SB DIODE		
D242	1SS355-X	SI DIODE		
D243	UDZS5.1B-X	Z DIODE		
D321	1SS355-X	SI DIODE		
D331	1SS355-X	SI DIODE		
D341	1SS355-X	SI DIODE		
D351	1SS355-X	SI DIODE		
D561	1A3G-T1	SI DIODE		
D701	UDZS6.2B-X	Z DIODE		
D702	UDZS6.2B-X	Z DIODE		
D703	UDZS6.2B-X	Z DIODE		
D704	UDZS6.2B-X	Z DIODE		
D705	UDZS6.2B-X	Z DIODE		
D706	UDZS6.2B-X	Z DIODE		
D707	UDZS6.2B-X	Z DIODE		
D708	UDZS6.2B-X	Z DIODE		
D709	UDZS6.2B-X	Z DIODE		
D711	UDZS6.2B-X	Z DIODE		
D712	UDZS6.2B-X	Z DIODE		
D713	LNJ308G81/1-3/X	LED		
D714	LNJ308G81/1-3/X	LED		
D715	LNJ308G81/1-3/X	LED		
D716	UDZS6.2B-X	Z DIODE		
D717	UDZS6.2B-X	Z DIODE		
D781	1SS355-X	SI DIODE		
D782	1SS355-X	SI DIODE		
D783	UDZS11B-X	Z DIODE		
D891	1SS355-X	SI DIODE		
D892	1SS355-X	SI DIODE		
D901	1N5401-F64	DIODE		
D902	RB160M-30-X	SB DIODE		
D903	RB160M-30-X	SB DIODE		
D904	1SS355-X	SI DIODE		
C2	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C3	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C4	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C5	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C8	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C10	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C11	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C31	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C32	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
C41	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
C42	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C43	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C51	QEKJ1HM-474Z	E CAPACITOR	0.47uF 50V M	
C52	NCB31EK-472X	C CAPACITOR	4700pF 25V K	
C53	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C54	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C55	NCS31HJ-331X	C CAPACITOR	330pF 50V J	
C71	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C72	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C73	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C74	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C75	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C76	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C77	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C78	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C79	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C81	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C82	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C83	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C84	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C91	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C92	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C93	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C94	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C162	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C163	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C164	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C165	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C166	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C167	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C168	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C172	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C173	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C174	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C175	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C176	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C177	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C178	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C182	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C183	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C185	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C186	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C191	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C192	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C193	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C194	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C241	QERF1HM-224Z	E CAPACITOR	0.22uF 50V M	
C242	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C243	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C244	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C301	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C302	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C303	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C305	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C306	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C308	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C309	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C310	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C311	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C312	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C313	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C314	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C315	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C316	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C317	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C318	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C319	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C321	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
C322	QFV61HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C331	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
C332	QFV61HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C341	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
C342	QFV61HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C344	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C351	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
C352	QFV61HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C355	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C503	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C504	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C505	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C507	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C509	QERF0JM-107Z	E CAPACITOR	100uF 6.3V M	
C510	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C511	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C512	NCS31HJ-820X	C CAPACITOR	82pF 50V J	
C513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C514	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C521	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C522	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C523	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C524	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C525	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C526	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C527	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C528	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C529	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C530	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C531	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C533	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C534	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C535	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C536	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C537	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C538	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C539	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C540	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C544	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C545	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C546	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C547	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C548	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C549	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C550	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C551	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C552	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C555	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C556	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C557	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C558	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C559	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C561	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C562	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C563	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C564	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C565	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C566	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C567	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C581	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C582	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C583	NCS31HJ-121X	C CAPACITOR	120pF 50V J	
C584	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C585	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C591	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C592	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C593	NCS31HJ-121X	C CAPACITOR	120pF 50V J	
C594	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C595	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C596	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C597	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
C598	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C702	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C703	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C704	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C705	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C706	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C707	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C709	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C710	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C711	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C712	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C714	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C715	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C720	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C721	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C781	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C782	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C783	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C784	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C891	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C901	QEZ0616-228	E CAPACITOR	2200uF	
C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C903	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C904	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C905	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C906	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C907	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C910	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C911	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C912	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C913	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C915	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C971	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
R1	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R8	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R10	NRS181J-8R2X	MG RESISTOR	8.2Ω 1/8W J	
R11	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R31	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R32	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R33	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R35	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R41	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R42	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R43	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R44	NRSA02J-330X	MG RESISTOR	33Ω 1/10W J	
R45	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R51	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R52	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R53	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R54	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R55	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R56	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R57	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R58	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R59	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R71	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R72	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R73	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R74	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R75	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R76	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R77	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	
R81	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R82	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R91	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R92	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R161	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R162	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R164	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R165	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R166	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R167	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R168	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R171	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R172	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R173	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R174	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R175	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R176	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R177	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R178	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R184	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R191	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	
R194	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R241	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R242	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R243	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R244	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R245	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R246	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R247	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R248	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R321	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R322	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R331	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R333	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R341	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R343	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R351	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R353	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R503	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R504	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R505	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R506	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R507	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R508	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R509	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R510	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R512	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R514	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R516	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R519	NRSA02J-151X	MG RESISTOR	150Ω 1/10W J	
R521	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R522	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R523	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R524	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R525	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R527	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R528	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R529	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R531	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R532	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R533	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R534	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R535	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R536	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R537	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R538	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R539	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R540	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R561	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R562	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R563	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R564	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R566	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J	
R567	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R568	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R569	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R571	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R572	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R573	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R574	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R575	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R576	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R581	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R582	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R583	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R584	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R585	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R586	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R587	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R591	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R592	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R593	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R594	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R595	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R596	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R597	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R598	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R708	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R709	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R710	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R719	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R720	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R721	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R722	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R723	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R725	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R726	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R728	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R730	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R731	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R735	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R736	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R740	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R741	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R742	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R743	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R744	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R750	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R751	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R753	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R755	NRS181J-181X	MG RESISTOR	180Ω 1/8W J	
R757	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R759	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R763	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R765	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R766	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R767	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R768	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R769	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R782	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R891	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R892	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R901	QRE142J-102X	C RESISTOR	1kΩ 1/4W J	
R902	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R903	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R904	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R905	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R906	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R907	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R971	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R972	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L1	QQL244J-4R7Z	INDUCTIOR	4.7uH J	
L521	QQL244J-470Z	COIL	47uH J	
L522	QQL244J-470Z	COIL	47uH J	
L523	QQL244J-470Z	COIL	47uH J	
L524	QQL244J-470Z	COIL	47uH J	
L701	QQL244K-4R7Z	COIL	4.7uH K	
L702	QQL244K-4R7Z	COIL	4.7uH K	
L901	QQR0703-001	CHOKE COIL		
CN501	QGB2027M4-22S	CONNECTOR	B-B (1-22)	
CN701	QNZ0605-001	CAR CONNECTOR		
CN702	QGA2006F1-02	CONNECTOR	W-B (1-2)	
CN901	QNZ0112-001	CAR CONNECTOR		
J1	QNB0100-002	CAR ANT JACK		
J301	QNN0489-001	PIN JACK		
PP1	QZW0010-001	STYLE PIN		
PP2	QZW0010-001	STYLE PIN		
S701	QSW0451-001	DETECT SW		
S702	QSW0451-001	DETECT SW		
S703	QSQ1A11-V06Z	TACT SW I/M		
TU1	QAU0292-001	TUNER PARK		
X71	QAX0263-001Z	CRYSTAL		
X521	QAX0741-001Z	CRYTAL		
X701	QAX0406-002Z	CRYSTAL		
OT1	GEB10060-001BI1	åÓî¬ê}		

Front board

Block No. [0][2][0][0]

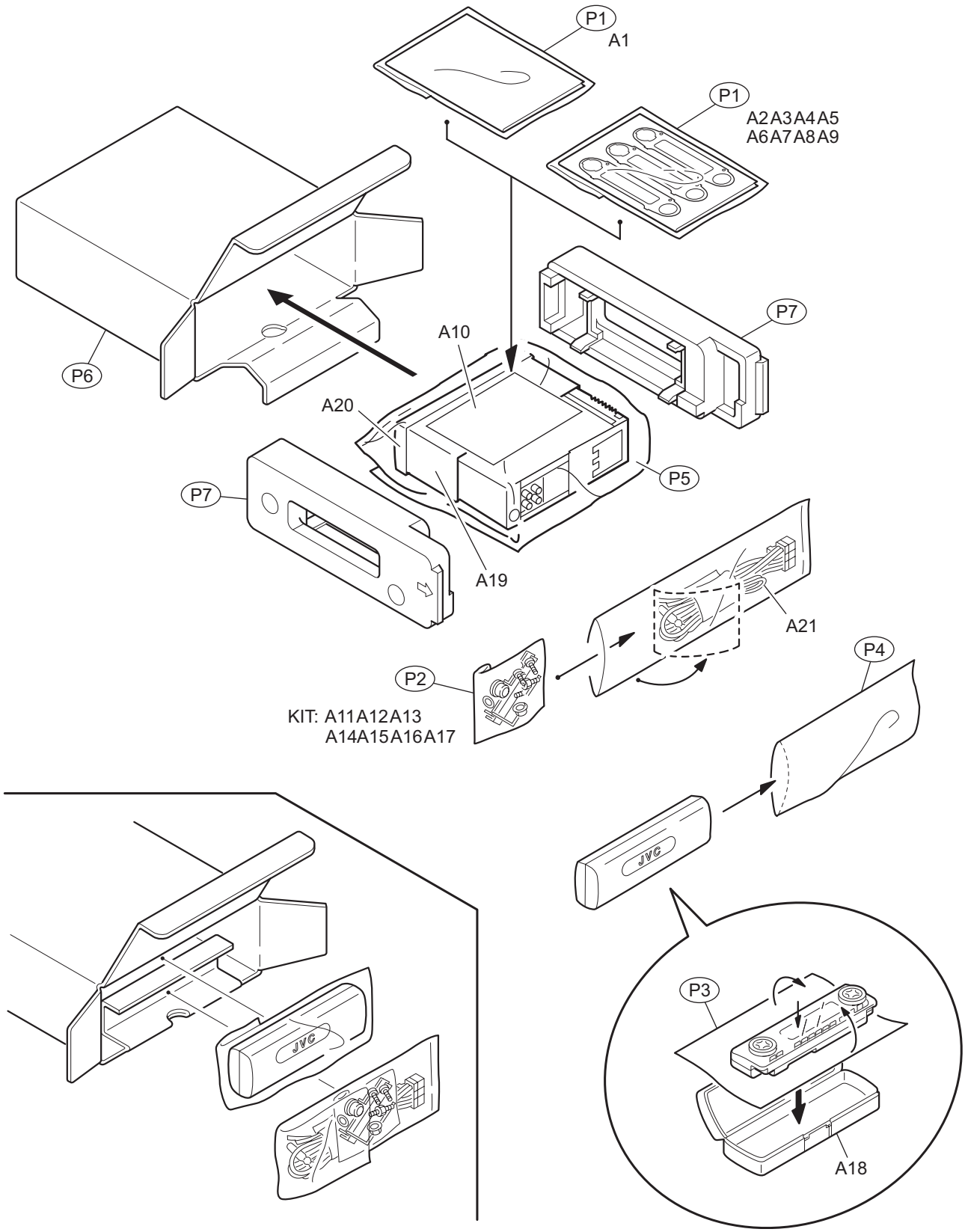
⚠ Symbol No.	Part No.	Part Name	Description	Local
IC601	LC75823W	IC		
IC602	RPM6938-SV4	REMOCON RCV		
Q691	2SD601A/R/-X	TRANSISTOR		
Q692	2SD601A/R/-X	TRANSISTOR		
Q693	2SD601A/R/-X	TRANSISTOR		
Q694	2SD601A/R/-X	TRANSISTOR		
D601	SML-310VT/JK/-X	LED		
D602	SML-310VT/JK/-X	LED		
D603	SML-310VT/JK/-X	LED		
D604	SML-310VT/JK/-X	LED		
D605	SML-310VT/JK/-X	LED		
D606	SML-310VT/JK/-X	LED		
D607	SML-310VT/JK/-X	LED		
D609	SML-310VT/JK/-X	LED		
D610	SML-310VT/JK/-X	LED		
D611	SML-310VT/JK/-X	LED		
D613	SML-310VT/JK/-X	LED		
D614	SML-310VT/JK/-X	LED		
D615	SML-310VT/JK/-X	LED		
D616	SML-310VT/JK/-X	LED		
D617	SML-310VT/JK/-X	LED		
D619	SML-310VT/JK/-X	LED		
D620	SML-310VT/JK/-X	LED		
D621	SML-310VT/JK/-X	LED		
D622	SML-310VT/JK/-X	LED		
D623	SML-310VT/JK/-X	LED		
D624	SML-310VT/JK/-X	LED		
D625	SML-310LT/MN/-X	LED		
D641	UDZS5.1B-X	Z DIODE		
D643	1SS355-X	SI DIODE		
D646	UDZS6.2B-X	Z DIODE		
D691	UDZS6.2B-X	Z DIODE		
D692	UDZS6.2B-X	Z DIODE		
D693	SECU2E24C-P-X	LED		
D694	UDZS6.2B-X	Z DIODE		
D695	SECU2E24C-P-X	LED		
D696	UDZS6.2B-X	Z DIODE		
C601	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C602	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C611	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C612	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C692	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C693	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R601	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R602	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R603	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R605	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R606	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R607	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R608	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R609	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R610	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R612	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R613	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R614	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R615	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R631	NRS181J-821X	MG RESISTOR	820Ω 1/8W J	
R632	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R633	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R634	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R635	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R636	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R637	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R638	NRSA02J-511X	MG RESISTOR	510Ω 1/10W J	
R639	NRSA02J-511X	MG RESISTOR	510Ω 1/10W J	
R640	NRSA02J-511X	MG RESISTOR	510Ω 1/10W J	
R641	NRSA02J-511X	MG RESISTOR	510Ω 1/10W J	
R642	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R643	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R644	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R645	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R646	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R647	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R651	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R652	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R653	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R657	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R658	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R661	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R662	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R672	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R673	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R681	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R685	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R686	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R687	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R688	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R689	NRSA02J-820X	MG RESISTOR	82Ω 1/10W J	
R690	NRSA02J-100X	MG RESISTOR	10Ω 1/10W J	
R693	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R694	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R695	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R696	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R697	NRSA02J-820X	MG RESISTOR	82Ω 1/10W J	
R698	NRSA02J-100X	MG RESISTOR	10Ω 1/10W J	
CN601	NNZ0087-001	CAR CONNECTOR		
EN601	QSW0863-002	ROTARY ENCODER		
JS690	QSW0863-001	ROTARY ENCODER		SC800RE
JS690	QSW0863-002	ROTARY ENCODER		SC800REX
S601	NSW0066-001X	TACT SW		
S602	NSW0066-001X	TACT SW		
S603	NSW0066-001X	TACT SW		
S604	NSW0066-001X	TACT SW		
S605	NSW0066-001X	TACT SW		
S606	NSW0066-001X	TACT SW		
S607	NSW0066-001X	TACT SW		
S608	NSW0066-001X	TACT SW		
S609	NSW0066-001X	TACT SW		
S610	NSW0066-001X	TACT SW		
S611	NSW0066-001X	TACT SW		
S612	NSW0066-001X	TACT SW		
S614	NSW0066-001X	TACT SW		
S615	NSW0066-001X	TACT SW		
S616	NSW0066-001X	TACT SW		
S617	NSW0066-001X	TACT SW		
S618	NSW0066-001X	TACT SW		

<MEMO>

Packing materials and accessories parts list

Block No. M 3 M M
Block No. M 5 M M



Packing

Block No. [M][3][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
P1	FSPG4002-001	POLY BAG	(x2)	
P2	QPA00801205	POLY BAG	8cm x 12cm	
P3	FSYH4036-068	SHEET		
P4	QPA01003003	POLY BAG	10cm x 30cm	
P5	QPC03004315P	POLY BAG	30cm x 43cm	
P6	GE30772-001A	CARTON		
P7	GE10070-001A	EPS CUSHION		

Accessories

Block No. [M][5][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
A1	GET0146-001A	INST BOOK	ENG GER FRE DUT	
A2	GET0146-002A	INST BOOK	RUS SPA ITA POL	SC800RE
A2	GET0146-003A	INST BOOK	DAN FIN SWE GRE	SC800REX
A3	GET0146-004A	INSTALL MANUAL	ENG GER FRE DUT	
A4	GET0146-005A	INSTALL MANUAL	RUS SPA ITA POL	SC800RE
A4	GET0146-006A	INSTALL MANUAL	DAN FIN SWE GRE	SC800REX
A5	BT-54013-5	WARRANTY CARD		
A6	VND3050-002	IDENTITY CARD		
A7	VND3046-001	SERIAL TICKET		
A8	GE30911-001A	COLOUR PAPER		
A9	GE30925-004A	F.PLATE ASSY		
A10	LV40978-001A	CAUTION SHEET		
A11	VKZ4027-202	PLUG NUT		
A12	VKH4871-001SS	MOUNT BOLT		
A13	VKZ4328-001	LOCK NUT		
A14	WNS5000Z	WASHER		
A15	GE40130-001A	HOOK	(x2)	
A16	GE40162-001A	HEX SPANNER		
A17	GE40168-001A	SPECIAL SCREW	(x4)	
A18	FSJB3002-00C	HARD CASE		
A19	GE20137-003A	MOUNTING SLEEVE		
A20	GE20149-001A	TRIM PLATE		
A21	QAM0176-002	POWER CORD		
KIT	SRW-800R	SCREW PARTS KIT	A11 to A17	